

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083022\
 Data File : VX030935.D
 Acq On : 30 Aug 2022 12:43
 Operator : JC/MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC010

Quant Time: Aug 30 14:13:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 12:20:21 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/31/2022
 Supervised By : Semsettin Yesilyurt 08/31/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	211458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	358125	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	323486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	33678	10.931	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	21.860%#		
35) Dibromofluoromethane	5.385	113	29118	10.995	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	22.000%#		
50) Toluene-d8	8.653	98	107522	11.234	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	22.460%#		
62) 4-Bromofluorobenzene	11.085	95	38336	10.965	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	21.920%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22693	10.192	ug/l	99
3) Chloromethane	1.288	50	22405	9.897	ug/l	96
4) Vinyl Chloride	1.374	62	26034	9.596	ug/l	98
5) Bromomethane	1.605	94	10782	9.832	ug/l	98
6) Chloroethane	1.685	64	15362	9.421	ug/l	97
7) Trichlorofluoromethane	1.886	101	41215	10.170	ug/l	94
8) Diethyl Ether	2.136	74	15216	9.604	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.325	101	26971	10.432	ug/l	98
10) Methyl Iodide	2.453	142	14915	9.160	ug/l	93
11) Tert butyl alcohol	2.977	59	37324	54.668	ug/l	100
12) 1,1-Dichloroethene	2.319	96	25350	9.802	ug/l	96
13) Acrolein	2.239	56	22161	55.821	ug/l	96
14) Allyl chloride	2.660	41	42452	10.040	ug/l	99
15) Acrylonitrile	3.069	53	80335	50.954	ug/l	97
16) Acetone	2.386	43	72142	53.492	ug/l	98
17) Carbon Disulfide	2.508	76	65265	9.624	ug/l	100
18) Methyl Acetate	2.709	43	39913	9.859	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	84167	10.075	ug/l	94
20) Methylene Chloride	2.788	84	30915	10.027	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	27241	9.809	ug/l	96
22) Diisopropyl ether	3.764	45	87925	10.103	ug/l	94
23) Vinyl Acetate	3.727	43	350264	50.507	ug/l	97
24) 1,1-Dichloroethane	3.611	63	51868	10.221	ug/l	98
25) 2-Butanone	4.562	43	114001	51.920	ug/l	99
26) 2,2-Dichloropropane	4.477	77	38473	10.289	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	32235	10.134	ug/l	97
28) Bromochloromethane	4.898	49	15092	9.020	ug/l	97
29) Tetrahydrofuran	5.007	42	70484	48.891	ug/l	96
30) Chloroform	5.093	83	52907	10.085	ug/l	99
31) Cyclohexane	5.471	56	44719	9.970	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	44288	10.028	ug/l	99
36) 1,1-Dichloropropene	5.690	75	39315	10.231	ug/l	96
37) Ethyl Acetate	4.727	43	41077	9.967	ug/l	99
38) Carbon Tetrachloride	5.678	117	39229	10.693	ug/l #	93
39) Methylcyclohexane	7.385	83	49506	10.552	ug/l	95
40) Benzene	6.038	78	115618	10.356	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083022\
 Data File : VX030935.D
 Acq On : 30 Aug 2022 12:43
 Operator : JC/MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/31/2022
 Supervised By : Semsettin Yesilyurt 08/31/2022

Quant Time: Aug 30 14:13:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 12:20:21 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	23342	10.428	ug/l	98
42) 1,2-Dichloroethane	6.092	62	38202	10.182	ug/l	99
43) Isopropyl Acetate	6.342	43	63061	9.907	ug/l	98
44) Trichloroethene	7.123	130	34266	10.526	ug/l	100
45) 1,2-Dichloropropane	7.434	63	30464	10.248	ug/l	99
46) Dibromomethane	7.586	93	21730	10.750	ug/l	98
47) Bromodichloromethane	7.824	83	40131	10.320	ug/l #	98
48) Methyl methacrylate	7.696	41	34738	11.220	ug/l	97
49) 1,4-Dioxane	7.678	88	17301	219.493	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	213034	51.592	ug/l	97
52) Toluene	8.720	92	69489	10.137	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	40349	10.197	ug/l	98
54) cis-1,3-Dichloropropene	8.373	75	45899	10.289	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	29909	10.155	ug/l	95
56) Ethyl methacrylate	9.122	69	44566	10.316	ug/l	94
57) 1,3-Dichloropropane	9.311	76	50931	10.423	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	111063	158.637	ug/l	100
59) 2-Hexanone	9.433	43	160604	51.915	ug/l	98
60) Dibromochloromethane	9.525	129	29951	10.128	ug/l	99
61) 1,2-Dibromoethane	9.616	107	31312	10.287	ug/l	99
64) Tetrachloroethene	9.275	164	30515	9.957	ug/l	94
65) Chlorobenzene	10.080	112	76511	10.113	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	26440	9.740	ug/l	98
67) Ethyl Benzene	10.195	91	136222	10.006	ug/l	98
68) m/p-Xylenes	10.305	106	106504	20.894	ug/l	97
69) o-Xylene	10.646	106	50729	10.127	ug/l	92
70) Styrene	10.659	104	84185	9.942	ug/l	98
71) Bromoform	10.799	173	20411	9.686	ug/l #	99
73) Isopropylbenzene	10.964	105	137794	10.672	ug/l	98
74) N-amyl acetate	10.848	43	49627	9.878	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	46068	10.636	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	42400m	10.277	ug/l	
77) Bromobenzene	11.201	156	32187	10.291	ug/l	98
78) n-propylbenzene	11.305	91	157034	10.523	ug/l	100
79) 2-Chlorotoluene	11.366	91	100149	10.734	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	114571	10.564	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12658	9.500	ug/l	90
82) 4-Chlorotoluene	11.457	91	109230	10.396	ug/l	100
83) tert-Butylbenzene	11.713	119	109508	10.322	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	113245	10.258	ug/l	99
85) sec-Butylbenzene	11.890	105	147036	10.712	ug/l	97
86) p-Isopropyltoluene	12.012	119	118802	10.223	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	61830	10.070	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	65331	10.438	ug/l	98
89) n-Butylbenzene	12.335	91	108780	10.029	ug/l	98
90) Hexachloroethane	12.542	117	20742	10.258	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	63778	10.276	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	11138	10.143	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	41519	10.545	ug/l	97
94) Hexachlorobutadiene	13.725	225	17397	10.333	ug/l	97
95) Naphthalene	13.780	128	146716	10.342	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	41755	10.371	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083022\
Data File : VX030935.D
Acq On : 30 Aug 2022 12:43
Operator : JC/MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/31/2022
Supervised By :Semsettin Yesilyurt 08/31/2022

Quant Time: Aug 30 14:13:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 30 12:20:21 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Reviewed By :John Carlone 08/31/2022
Supervised By :Semsettin Yesilyurt 08/31/2022

Page: 4