

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101022\
 Data File : VX032003.D
 Acq On : 10 Oct 2022 11:36
 Operator : JC/MD
 Sample : VX1010WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/11/2022
 Supervised By : Mahesh Dadoda 10/11/2022

Quant Time: Oct 11 05:07:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	65265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	99131	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66492	49.332	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.660%		
35) Dibromofluoromethane	5.385	113	54881	48.909	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.820%		
50) Toluene-d8	8.647	98	197125	48.821	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.640%		
62) 4-Bromofluorobenzene	11.079	95	71306	49.953	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20017	20.609	ug/l	99
3) Chloromethane	1.288	50	17521	17.226	ug/l	98
4) Vinyl Chloride	1.374	62	21207	17.842	ug/l	98
5) Bromomethane	1.612	94	17249	20.262	ug/l	97
6) Chloroethane	1.685	64	16154	15.970	ug/l	89
7) Trichlorofluoromethane	1.886	101	38392	17.969	ug/l	96
8) Diethyl Ether	2.136	74	12636	17.350	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	19392	17.956	ug/l	91
10) Methyl Iodide	2.453	142	15708	16.262	ug/l	98
11) Tert butyl alcohol	2.989	59	16784	100.086	ug/l	99
12) 1,1-Dichloroethene	2.319	96	18277	18.385	ug/l	83
13) Acrolein	2.233	56	10405	98.143	ug/l	99
14) Allyl chloride	2.666	41	26443	18.694	ug/l	98
15) Acrylonitrile	3.069	53	50330	94.147	ug/l	98
16) Acetone	2.386	43	42383	92.522	ug/l	97
17) Carbon Disulfide	2.514	76	37416	17.527	ug/l	98
18) Methyl Acetate	2.709	43	28818	19.066	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	60752	18.211	ug/l	97
20) Methylene Chloride	2.788	84	21549	17.901	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	19071	17.323	ug/l	96
22) Diisopropyl ether	3.757	45	60950	19.167	ug/l #	84
23) Vinyl Acetate	3.721	43	234000	98.446	ug/l	99
24) 1,1-Dichloroethane	3.611	63	34448	18.072	ug/l	97
25) 2-Butanone	4.562	43	67193	93.833	ug/l	94
26) 2,2-Dichloropropane	4.477	77	24968	18.236	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	23342	17.720	ug/l	90
28) Bromochloromethane	4.898	49	16932	20.753	ug/l	89
29) Tetrahydrofuran	5.013	42	43470	94.083	ug/l	96
30) Chloroform	5.093	83	39843	18.765	ug/l	98
31) Cyclohexane	5.477	56	28985	18.001	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	33101	18.346	ug/l	98
36) 1,1-Dichloropropene	5.696	75	26798	18.010	ug/l	98
37) Ethyl Acetate	4.721	43	27566	19.678	ug/l	99
38) Carbon Tetrachloride	5.678	117	29431	19.344	ug/l	96
39) Methylcyclohexane	7.385	83	33171	18.689	ug/l	93
40) Benzene	6.038	78	81317	18.663	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	14136	19.405	ug/l	95
42) 1,2-Dichloroethane	6.086	62	30915	19.471	ug/l	96
43) Isopropyl Acetate	6.342	43	41079	19.327	ug/l	97
44) Trichloroethene	7.129	130	23378	18.299	ug/l	97
45) 1,2-Dichloropropane	7.428	63	21003	19.615	ug/l	94
46) Dibromomethane	7.580	93	15441	18.607	ug/l	92
47) Bromodichloromethane	7.824	83	29347	20.472	ug/l	98
48) Methyl methacrylate	7.696	41	20345	20.032	ug/l	94
49) 1,4-Dioxane	7.696	88	9317	361.384	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	142738	101.341	ug/l	100
52) Toluene	8.720	92	54370	19.085	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	27288	18.463	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	31095	20.029	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	22920	19.062	ug/l	98
56) Ethyl methacrylate	9.116	69	29942	19.427	ug/l	97
57) 1,3-Dichloropropane	9.311	76	37329	19.320	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	78806	99.053	ug/l	95
59) 2-Hexanone	9.433	43	103301	99.468	ug/l	99
60) Dibromochloromethane	9.519	129	21824	19.833	ug/l	99
61) 1,2-Dibromoethane	9.610	107	23121	19.121	ug/l	99
64) Tetrachloroethene	9.275	164	23352	19.371	ug/l	95
65) Chlorobenzene	10.079	112	58314	18.024	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	21651	19.340	ug/l	100
67) Ethyl Benzene	10.195	91	101304	18.509	ug/l	95
68) m/p-Xylenes	10.305	106	79939	36.753	ug/l	98
69) o-Xylene	10.640	106	38554	18.237	ug/l	99
70) Styrene	10.659	104	64374	19.048	ug/l	98
71) Bromoform	10.799	173	14877	20.300	ug/l #	97
73) Isopropylbenzene	10.963	105	104267	19.008	ug/l	97
74) N-amyl acetate	10.842	43	34088	20.349	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	32552	18.677	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	26144m	17.539	ug/l	
77) Bromobenzene	11.201	156	24733	18.304	ug/l	98
78) n-propylbenzene	11.305	91	119970	19.228	ug/l	99
79) 2-Chlorotoluene	11.366	91	71112	18.939	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	86330	18.975	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7103	19.289	ug/l #	81
82) 4-Chlorotoluene	11.457	91	81573	18.970	ug/l	99
83) tert-Butylbenzene	11.713	119	86018	19.103	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	86989	18.822	ug/l	100
85) sec-Butylbenzene	11.890	105	108562	19.474	ug/l	100
86) p-Isopropyltoluene	12.006	119	91146	19.419	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	47809	18.582	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	48109	18.167	ug/l	99
89) n-Butylbenzene	12.335	91	77934	19.828	ug/l	98
90) Hexachloroethane	12.542	117	13859	19.391	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	47347	18.510	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6628	20.775	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	28895	18.611	ug/l	99
94) Hexachlorobutadiene	13.725	225	12433	19.800	ug/l	98
95) Naphthalene	13.774	128	99400	18.684	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	29855	18.958	ug/l	96

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

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