

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021622\
 Data File : VX027033.D
 Acq On : 15 Feb 2022 16:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/16/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 16 04:05:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	93384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	150745	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	56584	50.477	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.960%			
35) Dibromofluoromethane	5.391	113	45238	50.370	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.740%			
50) Toluene-d8	8.647	98	169637	51.457	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.920%			
62) 4-Bromofluorobenzene	11.079	95	64274	55.377	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	47955	47.227	ug/l	99
3) Chloromethane	1.295	50	44808	47.435	ug/l	99
4) Vinyl Chloride	1.374	62	44693	45.197	ug/l	98
5) Bromomethane	1.605	94	17454	41.596	ug/l	98
6) Chloroethane	1.691	64	26855	49.721	ug/l	97
7) Trichlorofluoromethane	1.892	101	68385	46.994	ug/l	100
8) Diethyl Ether	2.136	74	24285	45.052	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	46913	49.183	ug/l	99
10) Methyl Iodide	2.453	142	56282	42.879	ug/l	97
11) Tert butyl alcohol	2.989	59	39189	193.517	ug/l	97
12) 1,1-Dichloroethene	2.325	96	42896	44.884	ug/l	92
13) Acrolein	2.240	56	42958	229.544	ug/l	100
14) Allyl chloride	2.666	41	78261	46.230	ug/l	97
15) Acrylonitrile	3.063	53	132450	228.238	ug/l	99
16) Acetone	2.380	43	117622	238.903	ug/l	96
17) Carbon Disulfide	2.514	76	108339	40.044	ug/l	99
18) Methyl Acetate	2.703	43	60767	42.897	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	151866	44.893	ug/l	99
20) Methylene Chloride	2.794	84	49471	46.373	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	47444	47.176	ug/l	94
22) Diisopropyl ether	3.764	45	159179	46.704	ug/l	91
23) Vinyl Acetate	3.721	43	669574	233.662	ug/l	98
24) 1,1-Dichloroethane	3.611	63	86968	47.156	ug/l	100
25) 2-Butanone	4.550	43	184004	231.964	ug/l	98
26) 2,2-Dichloropropane	4.483	77	62438	50.107	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	55776	48.304	ug/l	96
28) Bromochloromethane	4.898	49	38461	50.309	ug/l	96
29) Tetrahydrofuran	5.001	42	119707	221.977	ug/l	98
30) Chloroform	5.093	83	89284	46.595	ug/l	100
31) Cyclohexane	5.477	56	81348	45.671	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	78109	46.235	ug/l	100
36) 1,1-Dichloropropene	5.690	75	67114	47.369	ug/l	98
37) Ethyl Acetate	4.709	43	71729	44.548	ug/l	99
38) Carbon Tetrachloride	5.678	117	68847	46.338	ug/l	98
39) Methylcyclohexane	7.379	83	83844	48.255	ug/l	96
40) Benzene	6.038	78	194738	47.160	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021622\
 Data File : VX027033.D
 Acq On : 15 Feb 2022 16:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/16/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 16 04:05:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	40579	46.499	ug/l	97
42) 1,2-Dichloroethane	6.086	62	70774	48.639	ug/l	98
43) Isopropyl Acetate	6.336	43	112834	45.545	ug/l	98
44) Trichloroethene	7.129	130	57857	46.664	ug/l	93
45) 1,2-Dichloropropane	7.428	63	49880	47.743	ug/l	98
46) Dibromomethane	7.580	93	34716	48.022	ug/l	98
47) Bromodichloromethane	7.824	83	68979	49.826	ug/l	100
48) Methyl methacrylate	7.690	41	56987	46.424	ug/l	96
49) 1,4-Dioxane	7.665	88	17812	842.057	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	362722	241.607	ug/l	98
52) Toluene	8.720	92	124177	47.498	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	68546	45.853	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	78592	51.411	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	50477	51.001	ug/l	98
56) Ethyl methacrylate	9.116	69	77325	49.287	ug/l	96
57) 1,3-Dichloropropane	9.311	76	85412	50.255	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	183097	227.377	ug/l	98
59) 2-Hexanone	9.433	43	266074	242.305	ug/l	97
60) Dibromochloromethane	9.525	129	52273	51.330	ug/l	98
61) 1,2-Dibromoethane	9.610	107	52376	50.087	ug/l	100
64) Tetrachloroethene	9.275	164	61001	44.430	ug/l	96
65) Chlorobenzene	10.080	112	134600	47.610	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	48681	46.809	ug/l	99
67) Ethyl Benzene	10.195	91	240611	48.086	ug/l	99
68) m/p-Xylenes	10.305	106	186427	96.838	ug/l	97
69) o-Xylene	10.640	106	90619	48.038	ug/l	96
70) Styrene	10.659	104	153188	50.070	ug/l	98
71) Bromoform	10.799	173	35455	44.242	ug/l #	99
73) Isopropylbenzene	10.964	105	240632	47.038	ug/l	99
74) N-amyl acetate	10.842	43	91049	44.543	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	63413	45.677	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	66094m	46.489	ug/l	
77) Bromobenzene	11.201	156	57317	47.135	ug/l	95
78) n-propylbenzene	11.305	91	277553	48.940	ug/l	99
79) 2-Chlorotoluene	11.366	91	164252	46.874	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	199586	47.403	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	19183	42.718	ug/l	95
82) 4-Chlorotoluene	11.457	91	187837	47.783	ug/l	97
83) tert-Butylbenzene	11.713	119	186281	46.420	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	200682	47.254	ug/l	98
85) sec-Butylbenzene	11.890	105	248977	48.946	ug/l	99
86) p-Isopropyltoluene	12.012	119	211627	49.109	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	107035	48.036	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	106358	47.330	ug/l	99
89) n-Butylbenzene	12.335	91	180172	51.102	ug/l	99
90) Hexachloroethane	12.543	117	32045	51.451	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	101718	47.311	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14971	43.852	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	67166	49.501	ug/l	99
94) Hexachlorobutadiene	13.725	225	27911	48.631	ug/l	98
95) Naphthalene	13.774	128	222487	46.811	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	64947	47.271	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021622\
Data File : VX027033.D
Acq On : 15 Feb 2022 16:20
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/21/2022

Quant Time: Feb 16 04:05:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 08 07:07:46 2022
Response via : Initial Calibration

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

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

