

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101022\
 Data File : VX032025.D
 Acq On : 10 Oct 2022 20:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 05:15:33 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	66163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	101858	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72533	53.083	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.160%			
35) Dibromofluoromethane	5.385	113	59336	51.463	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.920%			
50) Toluene-d8	8.647	98	213593	51.483	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.960%			
62) 4-Bromofluorobenzene	11.079	95	82421	56.194	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	55980	56.852	ug/l	96
3) Chloromethane	1.288	50	50113	48.601	ug/l	99
4) Vinyl Chloride	1.374	62	58435	48.494	ug/l	96
5) Bromomethane	1.612	94	37478	47.818	ug/l	97
6) Chloroethane	1.685	64	54130	52.788	ug/l	99
7) Trichlorofluoromethane	1.886	101	110389	50.965	ug/l	98
8) Diethyl Ether	2.130	74	36653	49.644	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	55273	50.487	ug/l	91
10) Methyl Iodide	2.453	142	41589	38.031	ug/l	98
11) Tert butyl alcohol	3.002	59	44685	262.847	ug/l	98
12) 1,1-Dichloroethene	2.319	96	50122	49.735	ug/l	91
13) Acrolein	2.239	56	28106	289.193	ug/l	100
14) Allyl chloride	2.666	41	78059	54.435	ug/l	96
15) Acrylonitrile	3.069	53	136007	250.960	ug/l	99
16) Acetone	2.386	43	113236	243.838	ug/l	99
17) Carbon Disulfide	2.514	76	105194	48.607	ug/l	99
18) Methyl Acetate	2.703	43	81785	53.376	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	182453	53.950	ug/l	99
20) Methylene Chloride	2.788	84	58239	47.724	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	54011	48.395	ug/l	94
22) Diisopropyl ether	3.757	45	180475	55.984	ug/l	89
23) Vinyl Acetate	3.721	43	712609	295.732	ug/l	98
24) 1,1-Dichloroethane	3.611	63	102184	52.879	ug/l	99
25) 2-Butanone	4.562	43	183427	252.673	ug/l	96
26) 2,2-Dichloropropane	4.477	77	70934	51.105	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	65439	49.003	ug/l	92
28) Bromochloromethane	4.898	49	44760	54.115	ug/l	89
29) Tetrahydrofuran	5.013	42	117965	251.848	ug/l	96
30) Chloroform	5.093	83	114340	53.121	ug/l	93
31) Cyclohexane	5.471	56	84885	52.002	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	98692	53.956	ug/l	99
36) 1,1-Dichloropropene	5.696	75	77740	50.847	ug/l	97
37) Ethyl Acetate	4.715	43	75947	52.763	ug/l	99
38) Carbon Tetrachloride	5.678	117	85280	54.552	ug/l	99
39) Methylcyclohexane	7.385	83	95207	52.206	ug/l	94
40) Benzene	6.038	78	232073	51.837	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	42487	56.763	ug/l	98
42) 1,2-Dichloroethane	6.086	62	90695	55.593	ug/l	100
43) Isopropyl Acetate	6.342	43	127237	58.262	ug/l	99
44) Trichloroethene	7.129	130	63357	48.264	ug/l	96
45) 1,2-Dichloropropane	7.434	63	59481	54.062	ug/l	95
46) Dibromomethane	7.580	93	43693	51.242	ug/l	92
47) Bromodichloromethane	7.824	83	85757	58.220	ug/l	100
48) Methyl methacrylate	7.690	41	62322	59.720	ug/l	95
49) 1,4-Dioxane	7.690	88	21692	912.850	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	403939	279.110	ug/l	100
52) Toluene	8.720	92	151448	51.738	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	85207	53.646	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	92844	58.202	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	62435	50.536	ug/l	98
56) Ethyl methacrylate	9.116	69	90014	56.840	ug/l	98
57) 1,3-Dichloropropane	9.311	76	104036	52.403	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	224135	274.178	ug/l	96
59) 2-Hexanone	9.433	43	296510	277.864	ug/l	99
60) Dibromochloromethane	9.525	129	65802	58.198	ug/l	98
61) 1,2-Dibromoethane	9.610	107	65278	52.541	ug/l	100
64) Tetrachloroethene	9.275	164	62611	49.402	ug/l	97
65) Chlorobenzene	10.080	112	165244	48.581	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	62352	52.977	ug/l	100
67) Ethyl Benzene	10.195	91	298468	51.869	ug/l	100
68) m/p-Xylenes	10.305	106	231496	101.236	ug/l	98
69) o-Xylene	10.640	106	114926	51.708	ug/l	99
70) Styrene	10.659	104	191830	53.990	ug/l	99
71) Bromoform	10.799	173	44132	57.278	ug/l #	99
73) Isopropylbenzene	10.964	105	307652	49.954	ug/l	98
74) N-amyl acetate	10.842	43	119600	63.593	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	93911	47.993	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	84104m	50.255	ug/l	
77) Bromobenzene	11.195	156	73206	48.255	ug/l	98
78) n-propylbenzene	11.305	91	358778	51.218	ug/l	99
79) 2-Chlorotoluene	11.366	91	212261	50.353	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	267961	52.460	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	21734	46.366	ug/l #	81
82) 4-Chlorotoluene	11.457	91	250505	51.888	ug/l	99
83) tert-Butylbenzene	11.713	119	253555	50.156	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	265655	51.196	ug/l	98
85) sec-Butylbenzene	11.890	105	333276	53.249	ug/l	98
86) p-Isopropyltoluene	12.012	119	280092	53.152	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	141716	49.062	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	143136	48.143	ug/l	100
89) n-Butylbenzene	12.335	91	247512	56.088	ug/l	99
90) Hexachloroethane	12.542	117	43032	51.318	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	140488	48.919	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19738	55.106	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	89784	51.510	ug/l	99
94) Hexachlorobutadiene	13.725	225	37339	52.964	ug/l	98
95) Naphthalene	13.774	128	303964	50.891	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	90478	51.174	ug/l	98

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

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