

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101222\
 Data File : VX032073.D
 Acq On : 12 Oct 2022 10:09
 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 10/13/2022
 Supervised By : Mahesh Dadoda 10/13/2022

Quant Time: Oct 13 09:09:21 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	5.550	168	63916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	104325	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81090	61.432	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.860%			
35) Dibromofluoromethane	5.379	113	61476	52.059	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.120%			
50) Toluene-d8	8.647	98	213205	50.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.340%			
62) 4-Bromofluorobenzene	11.079	95	85417	56.860	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	46286	48.660	ug/l	98
3) Chloromethane	1.288	50	44730	44.906	ug/l	98
4) Vinyl Chloride	1.374	62	50720	43.571	ug/l	98
5) Bromomethane	1.612	94	40139	53.431	ug/l	95
6) Chloroethane	1.685	64	44601	45.025	ug/l	96
7) Trichlorofluoromethane	1.886	101	99140	47.380	ug/l	98
8) Diethyl Ether	2.130	74	37131	52.060	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	48871	46.208	ug/l	94
10) Methyl Iodide	2.453	142	47169	44.171	ug/l	96
11) Tert butyl alcohol	2.983	59	45016	274.103	ug/l	97
12) 1,1-Dichloroethene	2.319	96	43953	45.146	ug/l	91
13) Acrolein	2.233	56	21678	227.541	ug/l	99
14) Allyl chloride	2.660	41	69397	50.096	ug/l	96
15) Acrylonitrile	3.062	53	136238	260.224	ug/l	99
16) Acetone	2.386	43	118184	263.440	ug/l	100
17) Carbon Disulfide	2.508	76	90459	43.268	ug/l	100
18) Methyl Acetate	2.703	43	82955	56.043	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	182396	55.829	ug/l	97
20) Methylene Chloride	2.788	84	56261	47.724	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	50264	46.621	ug/l	95
22) Diisopropyl ether	3.757	45	186145	59.773	ug/l	94
23) Vinyl Acetate	3.721	43	717113	308.063	ug/l	99
24) 1,1-Dichloroethane	3.605	63	97453	52.204	ug/l	100
25) 2-Butanone	4.556	43	193311	275.650	ug/l	100
26) 2,2-Dichloropropane	4.477	77	47604	35.503	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	64027	49.631	ug/l	91
28) Bromochloromethane	4.898	49	47046	58.879	ug/l	93
29) Tetrahydrofuran	5.007	42	124681	275.544	ug/l	97
30) Chloroform	5.093	83	115838	55.709	ug/l	98
31) Cyclohexane	5.471	56	77434	49.105	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	93798	53.083	ug/l	99
36) 1,1-Dichloropropene	5.690	75	74173	47.367	ug/l	99
37) Ethyl Acetate	4.715	43	79497	53.923	ug/l	100
38) Carbon Tetrachloride	5.678	117	81021	50.602	ug/l	99
39) Methylcyclohexane	7.379	83	85970	46.026	ug/l	97
40) Benzene	6.038	78	225101	49.091	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	44851	58.505	ug/l	98
42) 1,2-Dichloroethane	6.086	62	97331	58.250	ug/l	99
43) Isopropyl Acetate	6.336	43	131224	58.666	ug/l	100
44) Trichloroethene	7.123	130	61125	45.462	ug/l	92
45) 1,2-Dichloropropane	7.428	63	59303	52.626	ug/l	96
46) Dibromomethane	7.580	93	44480	50.932	ug/l	93
47) Bromodichloromethane	7.818	83	87634	58.087	ug/l	99
48) Methyl methacrylate	7.690	41	65665	61.436	ug/l	97
49) 1,4-Dioxane	7.690	88	25367	1052.785	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	419015	282.681	ug/l	100
52) Toluene	8.720	92	145691	48.595	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	82424	50.734	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	88508	54.172	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	63959	50.545	ug/l	98
56) Ethyl methacrylate	9.116	69	93740	57.793	ug/l	98
57) 1,3-Dichloropropane	9.311	76	108408	53.314	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	225615	269.462	ug/l	96
59) 2-Hexanone	9.433	43	308558	282.317	ug/l	100
60) Dibromochloromethane	9.519	129	67186	58.017	ug/l	99
61) 1,2-Dibromoethane	9.610	107	67596	53.120	ug/l	100
64) Tetrachloroethene	9.275	164	59680	45.745	ug/l	98
65) Chlorobenzene	10.079	112	161385	46.091	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	61296	50.593	ug/l	99
67) Ethyl Benzene	10.195	91	285549	48.207	ug/l	99
68) m/p-Xylenes	10.299	106	220610	93.721	ug/l	96
69) o-Xylene	10.640	106	110132	48.136	ug/l	97
70) Styrene	10.659	104	186694	51.044	ug/l	99
71) Bromoform	10.799	173	44655	56.301	ug/l #	99
73) Isopropylbenzene	10.963	105	296696	47.550	ug/l	98
74) N-amyl acetate	10.842	43	115807	60.777	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	96945	48.901	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	87713m	51.732	ug/l	
77) Bromobenzene	11.201	156	69829	45.432	ug/l	97
78) n-propylbenzene	11.305	91	344326	48.517	ug/l	98
79) 2-Chlorotoluene	11.366	91	206982	48.463	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	255749	49.420	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	20593	43.595	ug/l #	85
82) 4-Chlorotoluene	11.457	91	244945	50.078	ug/l	97
83) tert-Butylbenzene	11.713	119	245590	47.950	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	255695	48.638	ug/l	98
85) sec-Butylbenzene	11.890	105	314215	49.552	ug/l	98
86) p-Isopropyltoluene	12.012	119	268179	50.231	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	136243	46.555	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	136744	45.396	ug/l	99
89) n-Butylbenzene	12.335	91	229036	51.228	ug/l	99
90) Hexachloroethane	12.542	117	42355	49.893	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	137244	47.169	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21282	58.646	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	86401	48.926	ug/l	100
94) Hexachlorobutadiene	13.725	225	34165	47.833	ug/l	99
95) Naphthalene	13.774	128	298861	49.388	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	87236	48.700	ug/l	98

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

