

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051222\
 Data File : VX028665.D
 Acq On : 13 May 2022 02:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/13/2022

Quant Time: May 13 05:07:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	192238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	329191	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	302265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	132701	50.358	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.720%			
35) Dibromofluoromethane	5.391	113	108199	50.166	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.340%			
50) Toluene-d8	8.653	98	403869	49.667	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.340%			
62) 4-Bromofluorobenzene	11.085	95	149723	49.296	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	129108	51.291	ug/l	99
3) Chloromethane	1.288	50	117795	49.691	ug/l	100
4) Vinyl Chloride	1.374	62	130529	51.094	ug/l	99
5) Bromomethane	1.605	94	95883	53.460	ug/l	99
6) Chloroethane	1.685	64	84970	52.930	ug/l	99
7) Trichlorofluoromethane	1.886	101	204153	50.124	ug/l	98
8) Diethyl Ether	2.136	74	76005	51.213	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	104123	48.580	ug/l	95
10) Methyl Iodide	2.453	142	119152	46.434	ug/l	94
11) Tert butyl alcohol	2.989	59	137027	244.863	ug/l	99
12) 1,1-Dichloroethene	2.319	96	99510	50.016	ug/l	99
13) Acrolein	2.233	56	111730	258.319	ug/l	100
14) Allyl chloride	2.666	41	160557	50.315	ug/l	91
15) Acrylonitrile	3.062	53	325366	256.270	ug/l	98
16) Acetone	2.380	43	278187	245.979	ug/l	94
17) Carbon Disulfide	2.514	76	255297	49.501	ug/l	100
18) Methyl Acetate	2.703	43	145266	51.284	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	368660	52.216	ug/l	98
20) Methylene Chloride	2.788	84	115992	48.887	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	113846	50.800	ug/l	99
22) Diisopropyl ether	3.763	45	354751	52.023	ug/l	91
23) Vinyl Acetate	3.721	43	1566201	266.422	ug/l	95
24) 1,1-Dichloroethane	3.611	63	203343	51.293	ug/l	99
25) 2-Butanone	4.556	43	456796	257.320	ug/l	96
26) 2,2-Dichloropropane	4.477	77	124638	40.098	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	131034	50.062	ug/l	98
28) Bromochloromethane	4.903	49	84758	50.794	ug/l	93
29) Tetrahydrofuran	5.007	42	300004	259.990	ug/l	92
30) Chloroform	5.099	83	218813	51.000	ug/l	99
31) Cyclohexane	5.470	56	182979	50.026	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	191509	51.129	ug/l	99
36) 1,1-Dichloropropene	5.696	75	160857	49.655	ug/l	99
37) Ethyl Acetate	4.714	43	179991	53.195	ug/l	97
38) Carbon Tetrachloride	5.684	117	164999	50.611	ug/l	100
39) Methylcyclohexane	7.385	83	183924	49.507	ug/l	96
40) Benzene	6.043	78	472163	50.714	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	93860	51.736	ug/l	93
42) 1,2-Dichloroethane	6.086	62	174173	50.718	ug/l	98
43) Isopropyl Acetate	6.342	43	276415	52.218	ug/l	95
44) Trichloroethene	7.129	130	125612	49.747	ug/l	97
45) 1,2-Dichloropropane	7.433	63	118727	51.112	ug/l	96
46) Dibromomethane	7.580	93	88288	50.895	ug/l	92
47) Bromodichloromethane	7.824	83	165818	51.486	ug/l	99
48) Methyl methacrylate	7.696	41	133944	52.381	ug/l	86
49) 1,4-Dioxane	7.671	88	62413	977.007	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	905567	259.717	ug/l	93
52) Toluene	8.720	92	303995	50.758	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	167713	45.395	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	184582	50.935	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	124181	50.849	ug/l	98
56) Ethyl methacrylate	9.116	69	193761	52.392	ug/l #	85
57) 1,3-Dichloropropane	9.311	76	210277	51.050	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	466719	257.768	ug/l	100
59) 2-Hexanone	9.433	43	713569	263.411	ug/l	90
60) Dibromochloromethane	9.525	129	125357	52.632	ug/l	96
61) 1,2-Dibromoethane	9.610	107	132561	51.680	ug/l	100
64) Tetrachloroethene	9.275	164	107596	47.138	ug/l	97
65) Chlorobenzene	10.079	112	324080	50.540	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	118893	52.341	ug/l	99
67) Ethyl Benzene	10.195	91	590722	51.396	ug/l	99
68) m/p-Xylenes	10.305	106	457130	102.158	ug/l	99
69) o-Xylene	10.646	106	222212	50.438	ug/l	97
70) Styrene	10.659	104	377741	52.798	ug/l	98
71) Bromoform	10.799	173	86698	46.203	ug/l	99
73) Isopropylbenzene	10.963	105	583192	50.565	ug/l	99
74) N-amyl acetate	10.848	43	245628	54.178	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	203805	51.509	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	179322m	50.347	ug/l	
77) Bromobenzene	11.201	156	135616	49.695	ug/l	96
78) n-propylbenzene	11.305	91	677895	50.812	ug/l	100
79) 2-Chlorotoluene	11.366	91	405983	49.650	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	496449	51.658	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	50613	42.981	ug/l #	85
82) 4-Chlorotoluene	11.457	91	472650	50.000	ug/l	100
83) tert-Butylbenzene	11.719	119	480777	51.670	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	495784	51.445	ug/l	100
85) sec-Butylbenzene	11.890	105	580794	50.603	ug/l	99
86) p-Isopropyltoluene	12.012	119	490885	50.969	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	262643	49.068	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	269103	48.469	ug/l	99
89) n-Butylbenzene	12.335	91	421015	50.453	ug/l	97
90) Hexachloroethane	12.542	117	81811	52.528	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	267028	50.782	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	45740	54.139	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	153871	50.665	ug/l	99
94) Hexachlorobutadiene	13.725	225	58972	47.797	ug/l	95
95) Naphthalene	13.774	128	584315	54.067	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	155968	51.132	ug/l	95

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

