

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042522\
 Data File : VX028338.D
 Acq On : 25 Apr 2022 20:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/26/2022
 Supervised By : Mahesh Dadoda 04/26/2022

Quant Time: Apr 26 08:14:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	346093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	551386	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	516566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	283203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	211168	46.795	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.580%		
35) Dibromofluoromethane	5.391	113	193494	50.039	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.080%		
50) Toluene-d8	8.653	98	703304	47.355	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.720%		
62) 4-Bromofluorobenzene	11.086	95	267695	47.140	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	145862	65.289	ug/l	98
3) Chloromethane	1.288	50	130953	58.554	ug/l	100
4) Vinyl Chloride	1.374	62	159856	45.817	ug/l	98
5) Bromomethane	1.599	94	158409	51.146	ug/l	97
6) Chloroethane	1.679	64	111991	44.470	ug/l	97
7) Trichlorofluoromethane	1.880	101	296313	38.513	ug/l	97
8) Diethyl Ether	2.130	74	107137	46.105	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.325	101	153028	54.601	ug/l	98
10) Methyl Iodide	2.453	142	204577	53.021	ug/l	98
11) Tert butyl alcohol	2.971	59	207166	239.293	ug/l	99
12) 1,1-Dichloroethene	2.319	96	142062	53.411	ug/l	92
13) Acrolein	2.233	56	179086	323.815	ug/l	99
14) Allyl chloride	2.660	41	198724	44.526	ug/l	94
15) Acrylonitrile	3.063	53	441110	239.866	ug/l	99
16) Acetone	2.380	43	365011	264.909	ug/l	95
17) Carbon Disulfide	2.508	76	297745	41.569	ug/l	100
18) Methyl Acetate	2.703	43	193425	48.208	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	519898	46.874	ug/l	96
20) Methylene Chloride	2.788	84	164074	49.002	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	163237	45.127	ug/l	91
22) Diisopropyl ether	3.764	45	451417	44.408	ug/l	91
23) Vinyl Acetate	3.721	43	1982095	223.188	ug/l	98
24) 1,1-Dichloroethane	3.611	63	280380	46.713	ug/l	99
25) 2-Butanone	4.556	43	604995	226.373	ug/l	97
26) 2,2-Dichloropropane	4.477	77	229525	39.166	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	197403	45.768	ug/l	91
28) Bromochloromethane	4.904	49	114812	44.584	ug/l	85
29) Tetrahydrofuran	5.007	42	390198	223.916	ug/l	100
30) Chloroform	5.093	83	320996	44.532	ug/l	97
31) Cyclohexane	5.471	56	230653	41.953	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	288426	44.188	ug/l	97
36) 1,1-Dichloropropene	5.696	75	221764	43.967	ug/l	97
37) Ethyl Acetate	4.715	43	232836	45.494	ug/l	99
38) Carbon Tetrachloride	5.684	117	254280	44.657	ug/l	98
39) Methylcyclohexane	7.385	83	265439	41.708	ug/l	96
40) Benzene	6.044	78	667960	45.241	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	118939	45.043	ug/l	98
42) 1,2-Dichloroethane	6.093	62	237990	43.423	ug/l	99
43) Isopropyl Acetate	6.342	43	365060	43.827	ug/l	98
44) Trichloroethene	7.129	130	202856	47.379	ug/l	98
45) 1,2-Dichloropropane	7.434	63	161488	44.684	ug/l	99
46) Dibromomethane	7.586	93	127670	45.034	ug/l	98
47) Bromodichloromethane	7.824	83	238044	43.688	ug/l	99
48) Methyl methacrylate	7.696	41	172501	45.108	ug/l	94
49) 1,4-Dioxane	7.659	88	98166	959.544	ug/l	92
51) 4-Methyl-2-Pentanone	8.574	43	1217887	227.848	ug/l	97
52) Toluene	8.720	92	457113	44.563	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	252625	43.625	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	272452	43.814	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	194364	46.636	ug/l	99
56) Ethyl methacrylate	9.116	69	279705	46.298	ug/l #	94
57) 1,3-Dichloropropane	9.311	76	304519	45.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	676426	238.635	ug/l	92
59) 2-Hexanone	9.433	43	959981	231.853	ug/l	96
60) Dibromochloromethane	9.525	129	202953	44.669	ug/l	97
61) 1,2-Dibromoethane	9.610	107	206545	45.174	ug/l	98
64) Tetrachloroethene	9.275	164	198538	49.205	ug/l	97
65) Chlorobenzene	10.080	112	519262	47.147	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	198293	48.332	ug/l	97
67) Ethyl Benzene	10.195	91	884105	47.873	ug/l	98
68) m/p-Xylenes	10.305	106	717977	95.523	ug/l	95
69) o-Xylene	10.647	106	356638	47.591	ug/l	95
70) Styrene	10.659	104	598186	49.272	ug/l	98
71) Bromoform	10.799	173	153879	41.314	ug/l #	98
73) Isopropylbenzene	10.964	105	924022	47.470	ug/l	99
74) N-amyl acetate	10.842	43	320416	47.624	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	303507	48.049	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	271024m	48.626	ug/l	
77) Bromobenzene	11.201	156	246328	48.590	ug/l	87
78) n-propylbenzene	11.305	91	1037517	48.067	ug/l	96
79) 2-Chlorotoluene	11.366	91	621581	46.319	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	787137	47.638	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	82355	43.910	ug/l	92
82) 4-Chlorotoluene	11.457	91	721596	46.681	ug/l	94
83) tert-Butylbenzene	11.713	119	795915	47.172	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	792772	48.266	ug/l	97
85) sec-Butylbenzene	11.890	105	958115	47.068	ug/l	97
86) p-Isopropyltoluene	12.012	119	845048	48.121	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	463303	48.637	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	466669	46.659	ug/l	99
89) n-Butylbenzene	12.335	91	671139	46.543	ug/l	98
90) Hexachloroethane	12.543	117	133377	42.493	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	464774	49.116	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	67632	48.144	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	284765	50.596	ug/l	99
94) Hexachlorobutadiene	13.725	225	118899	47.343	ug/l	92
95) Naphthalene	13.774	128	996391	53.144	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	289096	52.330	ug/l	96

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

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