

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122122\
 Data File : VX033536.D
 Acq On : 21 Dec 2022 16:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/22/2022
 Supervised By : Mahesh Dadoda 12/22/2022

Quant Time: Dec 22 03:59:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	157134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237637	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	40441	40.117	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	80.240%		
35) Dibromofluoromethane	5.379	113	52406	49.031	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.060%		
50) Toluene-d8	8.647	98	108794	48.656	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.320%		
62) 4-Bromofluorobenzene	11.079	95	90165	52.739	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	52358	47.700	ug/l	99
3) Chloromethane	1.294	50	48761	38.421	ug/l	98
4) Vinyl Chloride	1.374	62	60790	41.950	ug/l	99
5) Bromomethane	1.611	94	44916	42.236	ug/l	97
6) Chloroethane	1.685	64	36927	33.595	ug/l	98
7) Trichlorofluoromethane	1.886	101	90852	33.394	ug/l	100
8) Diethyl Ether	2.130	74	32083	32.649	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	55259	38.290	ug/l	97
10) Methyl Iodide	2.453	142	85399	54.030	ug/l	95
11) Tert butyl alcohol	2.977	59	69514	225.549	ug/l	95
12) 1,1-Dichloroethene	2.319	96	48693	34.181	ug/l	98
13) Acrolein	2.233	56	81679	244.359	ug/l	99
14) Allyl chloride	2.660	41	101058	44.422	ug/l	93
15) Acrylonitrile	3.062	53	172017	225.315	ug/l	98
16) Acetone	2.386	43	163584	219.298	ug/l	96
17) Carbon Disulfide	2.514	76	156434	42.786	ug/l	98
18) Methyl Acetate	2.703	43	100696	46.631	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	246752	50.006	ug/l	99
20) Methylene Chloride	2.788	84	75173	45.187	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	75407	48.390	ug/l	96
22) Diisopropyl ether	3.751	45	224902	46.143	ug/l #	87
23) Vinyl Acetate	3.715	43	863063	228.136	ug/l	96
24) 1,1-Dichloroethane	3.605	63	133895	46.754	ug/l	99
25) 2-Butanone	4.550	43	239992	224.136	ug/l	98
26) 2,2-Dichloropropane	4.471	77	111852	53.110	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	92081	49.443	ug/l	94
28) Bromochloromethane	4.891	49	55582	46.364	ug/l	85
29) Tetrahydrofuran	5.001	42	147065	211.990	ug/l	93
30) Chloroform	5.086	83	151158	47.544	ug/l	99
31) Cyclohexane	5.470	56	112411	46.921	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	139348	50.941	ug/l	97
36) 1,1-Dichloropropene	5.690	75	105572	50.661	ug/l	98
37) Ethyl Acetate	4.708	43	90372	45.877	ug/l	97
38) Carbon Tetrachloride	5.672	117	122206	52.341	ug/l	96
39) Methylcyclohexane	7.379	83	126092	54.059	ug/l	96
40) Benzene	6.031	78	309882	51.001	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	51439	47.388	ug/l	95
42) 1,2-Dichloroethane	6.080	62	112966	46.821	ug/l	96
43) Isopropyl Acetate	6.336	43	155190	48.963	ug/l	95
44) Trichloroethene	7.123	130	91478	54.607	ug/l	97
45) 1,2-Dichloropropane	7.427	63	78338	50.414	ug/l	96
46) Dibromomethane	7.580	93	59943	50.640	ug/l	95
47) Bromodichloromethane	7.818	83	119878	51.953	ug/l	98
48) Methyl methacrylate	7.690	41	77690	47.494	ug/l	88
49) 1,4-Dioxane	7.683	88	32336	866.882	ug/l	96
51) 4-Methyl-2-Pentanone	8.567	43	475927	237.445	ug/l	94
52) Toluene	8.714	92	207646	52.857	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	122279	49.364	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	133160	54.232	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	86969	52.666	ug/l	99
56) Ethyl methacrylate	9.116	69	124556	53.572	ug/l #	87
57) 1,3-Dichloropropane	9.305	76	134452	50.683	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	268067	251.980	ug/l	95
59) 2-Hexanone	9.427	43	357624	242.115	ug/l	92
60) Dibromochloromethane	9.518	129	99169	54.506	ug/l	99
61) 1,2-Dibromoethane	9.610	107	93264	53.096	ug/l	100
64) Tetrachloroethene	9.275	164	79737	54.434	ug/l	98
65) Chlorobenzene	10.079	112	232755	53.654	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	91543	55.840	ug/l	99
67) Ethyl Benzene	10.195	91	409685	54.209	ug/l	99
68) m/p-Xylenes	10.299	106	322221	109.584	ug/l	96
69) o-Xylene	10.640	106	159342	54.824	ug/l	95
70) Styrene	10.652	104	265922	55.865	ug/l	96
71) Bromoform	10.799	173	73592	56.712	ug/l #	99
73) Isopropylbenzene	10.963	105	421749	53.011	ug/l	99
74) N-amyl acetate	10.841	43	134531	49.562	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	122687	48.608	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	111678m	50.008	ug/l	
77) Bromobenzene	11.195	156	105515	52.521	ug/l	95
78) n-propylbenzene	11.305	91	470252	52.935	ug/l	98
79) 2-Chlorotoluene	11.366	91	281686	51.308	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	351137	53.021	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	36125	50.319	ug/l	89
82) 4-Chlorotoluene	11.451	91	325102	50.925	ug/l	96
83) tert-Butylbenzene	11.713	119	353120	53.471	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	353055	53.407	ug/l	100
85) sec-Butylbenzene	11.890	105	422165	54.790	ug/l	98
86) p-Isopropyltoluene	12.012	119	364577	54.882	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	195120	53.615	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	197271	53.068	ug/l	99
89) n-Butylbenzene	12.335	91	304118	55.895	ug/l	98
90) Hexachloroethane	12.536	117	59229	52.454	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	190847	52.453	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25190	46.205	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	122026	55.532	ug/l	99
94) Hexachlorobutadiene	13.725	225	52898	60.116	ug/l	99
95) Naphthalene	13.774	128	396804	54.136	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	124129	55.775	ug/l	100

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

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