

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061223\
 Data File : VX036116.D
 Acq On : 12 Jun 2023 12:23
 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 06/13/2023
 Supervised By : Mahesh Dadoda 06/13/2023

Quant Time: Jun 13 04:42:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	213025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	363897	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	338102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	160903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	149156	43.118	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.240%		
35) Dibromofluoromethane	5.385	113	105046	42.919	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	85.840%		
50) Toluene-d8	8.647	98	377834	43.013	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	86.020%#		
62) 4-Bromofluorobenzene	11.079	95	157735	45.488	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	107992	46.399	ug/l	99
3) Chloromethane	1.294	50	106922	40.192	ug/l	98
4) Vinyl Chloride	1.374	62	109514	43.824	ug/l	98
5) Bromomethane	1.617	94	66762	40.563	ug/l	99
6) Chloroethane	1.691	64	68294	46.413	ug/l	98
7) Trichlorofluoromethane	1.886	101	174524	49.632	ug/l	97
8) Diethyl Ether	2.130	74	67395	44.132	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	106718	48.899	ug/l	99
10) Methyl Iodide	2.453	142	106715	41.539	ug/l	99
11) Tert butyl alcohol	3.007	59	135897	221.212	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	96842	45.314	ug/l	93
13) Acrolein	2.239	56	137133	231.741	ug/l	99
14) Allyl chloride	2.666	41	201810	45.937	ug/l	98
15) Acrylonitrile	3.068	53	341177	236.373	ug/l	99
16) Acetone	2.398	43	354739	248.569	ug/l	99
17) Carbon Disulfide	2.514	76	216963	40.515	ug/l	98
18) Methyl Acetate	2.709	43	274903	49.549	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	403000	48.139	ug/l	98
20) Methylene Chloride	2.788	84	116145	42.249	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	104984	42.973	ug/l	98
22) Diisopropyl ether	3.757	45	409406	47.911	ug/l	95
23) Vinyl Acetate	3.721	43	1515603	252.447	ug/l	99
24) 1,1-Dichloroethane	3.605	63	219211	46.252	ug/l	100
25) 2-Butanone	4.562	43	491880	240.810	ug/l	100
26) 2,2-Dichloropropane	4.471	77	192041	53.159	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	131314	44.785	ug/l	99
28) Bromochloromethane	4.897	49	115444	46.514	ug/l	98
29) Tetrahydrofuran	5.013	42	308182	234.131	ug/l	100
30) Chloroform	5.092	83	233905	47.915	ug/l	98
31) Cyclohexane	5.470	56	176471	48.724	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	205875	49.906	ug/l	99
36) 1,1-Dichloropropene	5.690	75	162777	49.879	ug/l	100
37) Ethyl Acetate	4.714	43	193956	53.367	ug/l	100
38) Carbon Tetrachloride	5.678	117	167992	52.824	ug/l	99
39) Methylcyclohexane	7.379	83	179640	52.759	ug/l	100
40) Benzene	6.037	78	460543	47.021	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	114270	55.424	ug/l	99
42) 1,2-Dichloroethane	6.086	62	201342	51.910	ug/l	100
43) Isopropyl Acetate	6.336	43	318064	53.224	ug/l	99
44) Trichloroethene	7.123	130	118111	46.486	ug/l	99
45) 1,2-Dichloropropane	7.427	63	126312	48.998	ug/l	98
46) Dibromomethane	7.580	93	88028	49.157	ug/l	99
47) Bromodichloromethane	7.818	83	180207	53.498	ug/l	100
48) Methyl methacrylate	7.690	41	160654	54.819	ug/l	98
49) 1,4-Dioxane	7.720	88	55765	830.840	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	980496	268.792	ug/l	99
52) Toluene	8.714	92	299980	48.716	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	195961	55.032	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	207923	52.877	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	127571	49.725	ug/l	99
56) Ethyl methacrylate	9.116	69	206977	53.962	ug/l	98
57) 1,3-Dichloropropane	9.305	76	219300	49.670	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	509842	253.683	ug/l	100
59) 2-Hexanone	9.427	43	737783	273.573	ug/l	100
60) Dibromochloromethane	9.518	129	131114	52.645	ug/l	99
61) 1,2-Dibromoethane	9.610	107	133354	50.845	ug/l	99
64) Tetrachloroethene	9.275	164	97705	45.986	ug/l	97
65) Chlorobenzene	10.079	112	326759	47.897	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	121584	50.672	ug/l	100
67) Ethyl Benzene	10.195	91	599213	49.352	ug/l	99
68) m/p-Xylenes	10.299	106	453474	98.447	ug/l	97
69) o-Xylene	10.640	106	223817	48.353	ug/l	97
70) Styrene	10.652	104	375745	50.239	ug/l	99
71) Bromoform	10.799	173	86373	51.977	ug/l #	99
73) Isopropylbenzene	10.963	105	601193	51.417	ug/l	99
74) N-amyl acetate	10.841	43	270381	53.053	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	193190	48.301	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	170348m	46.940	ug/l	
77) Bromobenzene	11.195	156	135846	46.981	ug/l	99
78) n-propylbenzene	11.305	91	702371	53.222	ug/l	99
79) 2-Chlorotoluene	11.366	91	429528	49.977	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	508337	51.565	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	58608	54.397	ug/l	96
82) 4-Chlorotoluene	11.451	91	495973	50.278	ug/l	100
83) tert-Butylbenzene	11.713	119	488106	51.826	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	505003	49.916	ug/l	99
85) sec-Butylbenzene	11.890	105	608807	54.498	ug/l	100
86) p-Isopropyltoluene	12.006	119	511388	53.544	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	255198	48.181	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	257462	46.142	ug/l	99
89) n-Butylbenzene	12.329	91	455448	56.445	ug/l	100
90) Hexachloroethane	12.536	117	82885	54.727	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	247173	46.878	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43586	52.804	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	144990	47.252	ug/l	99
94) Hexachlorobutadiene	13.725	225	57796	49.515	ug/l	99
95) Naphthalene	13.774	128	515572	48.276	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	144658	47.793	ug/l	99

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

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