

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091522\
 Data File : VX031352.D
 Acq On : 15 Sep 2022 13:46
 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 09/16/2022
 Supervised By : Mahesh Dadoda 09/16/2022

Quant Time: Sep 16 04:47:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	64546	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	99909	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69769	44.038	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.080%		
35) Dibromofluoromethane	5.391	113	55016	51.228	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.460%		
50) Toluene-d8	8.652	98	216074	53.636	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	107.280%		
62) 4-Bromofluorobenzene	11.079	95	85245	57.785	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	115.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	31491	45.185	ug/l	97
3) Chloromethane	1.288	50	46620	48.756	ug/l	98
4) Vinyl Chloride	1.373	62	59493	52.753	ug/l	99
5) Bromomethane	1.611	94	62352	73.726	ug/l	98
6) Chloroethane	1.684	64	68721	76.770	ug/l	98
7) Trichlorofluoromethane	1.885	101	146005	70.626	ug/l	100
8) Diethyl Ether	2.135	74	52301	64.421	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.324	101	48276	49.383	ug/l	94
10) Methyl Iodide	2.452	142	57342	54.884	ug/l	99
11) Tert butyl alcohol	3.001	59	79832	239.830	ug/l	97
12) 1,1-Dichloroethene	2.318	96	43601	48.383	ug/l	91
13) Acrolein	2.239	56	33152	181.331	ug/l	97
14) Allyl chloride	2.666	41	77686	39.023	ug/l	98
15) Acrylonitrile	3.068	53	157679	215.786	ug/l	99
16) Acetone	2.391	43	134766m	199.256	ug/l	
17) Carbon Disulfide	2.507	76	104305	48.398	ug/l	100
18) Methyl Acetate	2.708	43	81614	40.693	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	181190	43.417	ug/l	100
20) Methylene Chloride	2.788	84	53576	50.537	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	50719	50.082	ug/l	97
22) Diisopropyl ether	3.763	45	179053	42.980	ug/l	96
23) Vinyl Acetate	3.727	43	789990	228.179	ug/l	98
24) 1,1-Dichloroethane	3.611	63	95026	43.464	ug/l	98
25) 2-Butanone	4.568	43	226910	203.397	ug/l	98
26) 2,2-Dichloropropane	4.476	77	83192	40.107	ug/l	98
27) cis-1,2-Dichloroethene	4.482	96	62550	47.122	ug/l	92
28) Bromochloromethane	4.903	49	42838	42.037	ug/l	94
29) Tetrahydrofuran	5.013	42	145239	210.179	ug/l	96
30) Chloroform	5.092	83	107500	46.433	ug/l	98
31) Cyclohexane	5.470	56	79264	46.568	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	93828	45.230	ug/l	99
36) 1,1-Dichloropropene	5.690	75	73179	49.783	ug/l	98
37) Ethyl Acetate	4.714	43	87150	45.116	ug/l	99
38) Carbon Tetrachloride	5.677	117	82146	51.411	ug/l	99
39) Methylcyclohexane	7.384	83	87770	54.218	ug/l	95
40) Benzene	6.037	78	219515	52.004	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.921	41	47506	45.397	ug/l	99
42) 1,2-Dichloroethane	6.086	62	88133	51.763	ug/l	100
43) Isopropyl Acetate	6.342	43	148238	44.957	ug/l	99
44) Trichloroethene	7.128	130	59613	55.391	ug/l	94
45) 1,2-Dichloropropane	7.433	63	55684	48.186	ug/l	95
46) Dibromomethane	7.580	93	43363	52.913	ug/l	95
47) Bromodichloromethane	7.823	83	84438	49.537	ug/l	100
48) Methyl methacrylate	7.695	41	65752	43.805	ug/l	93
49) 1,4-Dioxane	7.701	88	32269	1071.975	ug/l	95
51) 4-Methyl-2-Pentanone	8.573	43	491362	245.162	ug/l	100
52) Toluene	8.720	92	154254	57.769	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	94007	49.008	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	94331	47.853	ug/l	99
55) 1,1,2-Trichloroethane	9.152	97	63269	53.676	ug/l	98
56) Ethyl methacrylate	9.116	69	96217	50.425	ug/l	97
57) 1,3-Dichloropropane	9.311	76	103184	50.945	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	208053	234.017	ug/l	97
59) 2-Hexanone	9.433	43	387072	253.039	ug/l	99
60) Dibromochloromethane	9.524	129	71878	56.563	ug/l	99
61) 1,2-Dibromoethane	9.610	107	69946	57.831	ug/l	99
64) Tetrachloroethene	9.274	164	58886	55.963	ug/l	95
65) Chlorobenzene	10.079	112	168635	55.326	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	63846	53.165	ug/l	99
67) Ethyl Benzene	10.195	91	302189	54.737	ug/l	99
68) m/p-Xylenes	10.305	106	257373	122.776	ug/l	99
69) o-Xylene	10.640	106	121099	56.876	ug/l	99
70) Styrene	10.658	104	212029	61.239	ug/l	99
71) Bromoform	10.798	173	54176	56.667	ug/l #	100
73) Isopropylbenzene	10.963	105	326597	43.003	ug/l	99
74) N-amyl acetate	10.841	43	142429	37.723	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	110043	40.318	ug/l	98
76) 1,2,3-Trichloropropane	11.243	75	102378m	39.510	ug/l	
77) Bromobenzene	11.201	156	75350	43.512	ug/l	99
78) n-propylbenzene	11.304	91	389277	43.675	ug/l	100
79) 2-Chlorotoluene	11.365	91	234048	42.916	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	303631	47.718	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	35457	37.863	ug/l	97
82) 4-Chlorotoluene	11.457	91	293779	46.997	ug/l	100
83) tert-Butylbenzene	11.713	119	297307	46.701	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	302995	47.910	ug/l	99
85) sec-Butylbenzene	11.890	105	377749	47.387	ug/l	100
86) p-Isopropyltoluene	12.012	119	327664	50.442	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	160587	48.640	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	174711	51.488	ug/l	99
89) n-Butylbenzene	12.335	91	287393	49.892	ug/l	99
90) Hexachloroethane	12.542	117	54560	42.058	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	165212	49.151	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	24676	38.999	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	85748	47.111	ug/l	98
94) Hexachlorobutadiene	13.725	225	32255	45.398	ug/l	98
95) Naphthalene	13.774	128	317377	42.919	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	85972	44.108	ug/l	98

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

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