

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031415.D
 Acq On : 16 Sep 2022 17:12
 Operator : JC/MD
 Sample : VX0916WBSD03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916WBSD03

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2022
 Supervised By : Mahesh Dadoda 09/19/2022

Quant Time: Sep 17 02:05:41 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	5.556	168	53001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	83687	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	90605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	53842	41.387	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 82.780%			
35) Dibromofluoromethane	5.391	113	45170	50.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.420%			
50) Toluene-d8	8.653	98	169534	50.241	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.480%			
62) 4-Bromofluorobenzene	11.079	95	54153	43.824	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	9708	16.964	ug/l	93
3) Chloromethane	1.288	50	14631	17.629	ug/l	99
4) Vinyl Chloride	1.374	62	17551	18.953	ug/l	94
5) Bromomethane	1.611	94	22955	33.055	ug/l	94
6) Chloroethane	1.685	64	16941	23.063	ug/l	94
7) Trichlorofluoromethane	1.886	101	43773	25.786	ug/l	99
8) Diethyl Ether	2.136	74	15157	20.018	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	14635	18.232	ug/l	91
10) Methyl Iodide	2.453	142	9166	11.416	ug/l	98
11) Tert butyl alcohol	2.977	59	23832	62.739	ug/l	98
12) 1,1-Dichloroethene	2.319	96	13762	18.598	ug/l	96
13) Acrolein	2.239	56	6938	46.215	ug/l	96
14) Allyl chloride	2.666	41	22628	13.842	ug/l	93
15) Acrylonitrile	3.068	53	47044	78.404	ug/l	96
16) Acetone	2.386	43	37771	68.010	ug/l	93
17) Carbon Disulfide	2.514	76	31013	18.086	ug/l	99
18) Methyl Acetate	2.703	43	24384	14.806	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	54371	15.867	ug/l	97
20) Methylene Chloride	2.788	84	17339	18.399	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	15237	17.368	ug/l	96
22) Diisopropyl ether	3.763	45	52946	15.478	ug/l	99
23) Vinyl Acetate	3.727	43	226089	79.528	ug/l	98
24) 1,1-Dichloroethane	3.611	63	29490	16.427	ug/l	98
25) 2-Butanone	4.562	43	65092	71.056	ug/l	99
26) 2,2-Dichloropropane	4.483	77	24442	14.350	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	19143	17.563	ug/l	91
28) Bromochloromethane	4.903	49	14798	17.684	ug/l	96
29) Tetrahydrofuran	5.013	42	41331	72.839	ug/l	96
30) Chloroform	5.099	83	32990	17.353	ug/l	93
31) Cyclohexane	5.470	56	23326	16.689	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	28748	16.877	ug/l	99
36) 1,1-Dichloropropene	5.702	75	22390	18.184	ug/l	98
37) Ethyl Acetate	4.714	43	26111	16.137	ug/l	98
38) Carbon Tetrachloride	5.684	117	24459	18.275	ug/l	98
39) Methylcyclohexane	7.385	83	25238	18.612	ug/l	93
40) Benzene	6.043	78	66828	18.901	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	13897	15.854	ug/l	97
42) 1,2-Dichloroethane	6.092	62	26071	18.280	ug/l	97
43) Isopropyl Acetate	6.342	43	43614	15.791	ug/l	99
44) Trichloroethene	7.129	130	18525	20.550	ug/l	93
45) 1,2-Dichloropropane	7.433	63	17049	17.613	ug/l	100
46) Dibromomethane	7.586	93	13123	19.117	ug/l	93
47) Bromodichloromethane	7.824	83	24821	17.384	ug/l	99
48) Methyl methacrylate	7.696	41	18512	14.724	ug/l	91
49) 1,4-Dioxane	7.677	88	8069	320.012	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	139965	83.372	ug/l	99
52) Toluene	8.720	92	45360	20.281	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	25299	15.745	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	27694	16.772	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	18596	18.834	ug/l	96
56) Ethyl methacrylate	9.116	69	27342	17.107	ug/l	95
57) 1,3-Dichloropropane	9.311	76	30644	18.063	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	57210	76.823	ug/l	99
59) 2-Hexanone	9.433	43	105135	82.052	ug/l	99
60) Dibromochloromethane	9.525	129	19859	18.657	ug/l	99
61) 1,2-Dibromoethane	9.610	107	18809	18.566	ug/l	100
64) Tetrachloroethene	9.275	164	17164	20.719	ug/l	98
65) Chlorobenzene	10.079	112	48579	20.244	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	17760	18.784	ug/l	97
67) Ethyl Benzene	10.195	91	84415	19.422	ug/l	99
68) m/p-Xylenes	10.305	106	66633	40.374	ug/l	97
69) o-Xylene	10.646	106	31712	18.918	ug/l	97
70) Styrene	10.659	104	52554	19.280	ug/l	96
71) Bromoform	10.805	173	13374	17.769	ug/l #	99
73) Isopropylbenzene	10.963	105	87333	18.686	ug/l	98
74) N-amyl acetate	10.841	43	37271	16.041	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	29692	17.678	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	25005m	15.681	ug/l	
77) Bromobenzene	11.201	156	20558	19.292	ug/l	95
78) n-propylbenzene	11.305	91	100202	18.269	ug/l	98
79) 2-Chlorotoluene	11.366	91	56813	16.929	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	72212	18.442	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7812	13.556	ug/l	93
82) 4-Chlorotoluene	11.457	91	67051	17.431	ug/l	99
83) tert-Butylbenzene	11.719	119	72098	18.404	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	71024	18.250	ug/l	98
85) sec-Butylbenzene	11.890	105	88098	17.959	ug/l	100
86) p-Isopropyltoluene	12.012	119	73811	18.465	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	39630	19.506	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	41175	19.719	ug/l	98
89) n-Butylbenzene	12.335	91	62945	17.757	ug/l	98
90) Hexachloroethane	12.542	117	12721	15.935	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	40666	19.660	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6046	14.282	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	23517	20.996	ug/l	97
94) Hexachlorobutadiene	13.725	225	8580	19.624	ug/l	97
95) Naphthalene	13.774	128	88084	19.356	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	24207	20.182	ug/l	97

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

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