

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013123\
 Data File : VX033961.D
 Acq On : 31 Jan 2023 11:05
 Operator : JC/MD
 Sample : VX0131WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0131WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/01/2023
 Supervised By : Mahesh Dadoda 02/01/2023

Quant Time: Feb 01 02:05:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	165149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	230963	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77659	44.661	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.320%		
35) Dibromofluoromethane	5.385	113	72518	50.565	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.140%		
50) Toluene-d8	8.647	98	256246	49.039	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.080%		
62) 4-Bromofluorobenzene	11.079	95	95838	49.399	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20651	15.823	ug/l	97
3) Chloromethane	1.294	50	25229	17.498	ug/l	97
4) Vinyl Chloride	1.374	62	26005	18.588	ug/l	99
5) Bromomethane	1.611	94	13114	16.314	ug/l	99
6) Chloroethane	1.691	64	15555	17.984	ug/l	99
7) Trichlorofluoromethane	1.892	101	39988	17.625	ug/l	94
8) Diethyl Ether	2.130	74	14729	19.827	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	25993	20.313	ug/l	93
10) Methyl Iodide	2.453	142	34642	18.885	ug/l	92
11) Tert butyl alcohol	2.959	59	23385	77.415	ug/l #	85
12) 1,1-Dichloroethene	2.319	96	24177	17.992	ug/l	90
13) Acrolein	2.233	56	31066	111.463	ug/l	97
14) Allyl chloride	2.666	41	41950	16.551	ug/l	88
15) Acrylonitrile	3.062	53	73183	92.055	ug/l	99
16) Acetone	2.380	43	70846	104.921	ug/l	92
17) Carbon Disulfide	2.514	76	46236	14.922	ug/l	97
18) Methyl Acetate	2.703	43	44849	18.481	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	81793	17.525	ug/l	100
20) Methylene Chloride	2.788	84	27972	16.839	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	26011	16.558	ug/l	98
22) Diisopropyl ether	3.757	45	90526	17.752	ug/l	97
23) Vinyl Acetate	3.721	43	327758	85.380	ug/l	98
24) 1,1-Dichloroethane	3.611	63	47930	17.179	ug/l	99
25) 2-Butanone	4.550	43	101085	88.971	ug/l	99
26) 2,2-Dichloropropane	4.477	77	33165	16.595	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	31831	17.625	ug/l	97
28) Bromochloromethane	4.897	49	26273	20.674	ug/l	92
29) Tetrahydrofuran	5.001	42	64402	89.938	ug/l	97
30) Chloroform	5.092	83	50441	17.652	ug/l	96
31) Cyclohexane	5.470	56	40386	15.784	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	41724	17.102	ug/l	99
36) 1,1-Dichloropropene	5.696	75	35806	17.107	ug/l	98
37) Ethyl Acetate	4.715	43	38264	17.289	ug/l	100
38) Carbon Tetrachloride	5.678	117	37238	17.177	ug/l	99
39) Methylcyclohexane	7.379	83	42359	16.388	ug/l	93
40) Benzene	6.037	78	108921	17.853	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21270	18.441	ug/l	94
42) 1,2-Dichloroethane	6.086	62	37905	17.532	ug/l	98
43) Isopropyl Acetate	6.336	43	58437	17.685	ug/l	99
44) Trichloroethene	7.129	130	31661	18.558	ug/l	98
45) 1,2-Dichloropropane	7.434	63	28056	18.358	ug/l	94
46) Dibromomethane	7.580	93	19794	18.542	ug/l	96
47) Bromodichloromethane	7.824	83	37696	18.323	ug/l	97
48) Methyl methacrylate	7.690	41	29801	17.904	ug/l	97
49) 1,4-Dioxane	7.671	88	13017	353.543	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	194837	96.010	ug/l	98
52) Toluene	8.720	92	71784	18.220	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	36806	17.890	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	42589	18.474	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	29778	19.094	ug/l	98
56) Ethyl methacrylate	9.116	69	41758	19.026	ug/l	97
57) 1,3-Dichloropropane	9.311	76	49111	19.421	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	104569	96.743	ug/l	98
59) 2-Hexanone	9.427	43	144915	102.598	ug/l	99
60) Dibromochloromethane	9.519	129	32035	19.814	ug/l	100
61) 1,2-Dibromoethane	9.610	107	31104	19.985	ug/l	98
64) Tetrachloroethene	9.275	164	29403	19.262	ug/l	95
65) Chlorobenzene	10.079	112	80501	18.806	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	30607	19.429	ug/l	99
67) Ethyl Benzene	10.195	91	134314	18.275	ug/l	98
68) m/p-Xylenes	10.299	106	108620	37.786	ug/l	98
69) o-Xylene	10.640	106	53560	18.788	ug/l	100
70) Styrene	10.652	104	89784	19.365	ug/l	100
71) Bromoform	10.799	173	24776	18.769	ug/l #	97
73) Isopropylbenzene	10.963	105	140179	17.804	ug/l	100
74) N-amyl acetate	10.841	43	47894	16.628	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	43277	18.379	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	38863m	19.284	ug/l	
77) Bromobenzene	11.195	156	38690	18.426	ug/l	98
78) n-propylbenzene	11.305	91	154912	17.308	ug/l	99
79) 2-Chlorotoluene	11.366	91	94079	17.522	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	117947	17.870	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10675	16.462	ug/l	96
82) 4-Chlorotoluene	11.457	91	105836	17.171	ug/l	98
83) tert-Butylbenzene	11.713	119	122443	18.684	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	117105	18.757	ug/l	100
85) sec-Butylbenzene	11.890	105	146331	18.669	ug/l	100
86) p-Isopropyltoluene	12.006	119	127498	18.999	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	71222	19.217	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	70249	18.607	ug/l	98
89) n-Butylbenzene	12.335	91	98760	17.989	ug/l	99
90) Hexachloroethane	12.536	117	19490	17.656	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	69825	19.524	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8501	18.993	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	47214	19.599	ug/l	99
94) Hexachlorobutadiene	13.725	225	22350	18.940	ug/l	99
95) Naphthalene	13.774	128	139664	20.152	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	47216	19.588	ug/l	98

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

