

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012023\
 Data File : VX033820.D
 Acq On : 20 Jan 2023 12:02
 Operator : JC/MD
 Sample : VX0120WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0120WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/23/2023
 Supervised By : Mahesh Dadoda 01/25/2023

Quant Time: Jan 21 04:42:15 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	181872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	255069	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88998	46.476	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 92.960%			
35) Dibromofluoromethane	5.379	113	80961	51.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.240%			
50) Toluene-d8	8.647	98	290306	50.306	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.620%			
62) 4-Bromofluorobenzene	11.079	95	107652	50.244	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	25934	18.044	ug/l	99
3) Chloromethane	1.295	50	29426	18.533	ug/l	95
4) Vinyl Chloride	1.374	62	29961	19.447	ug/l	100
5) Bromomethane	1.618	94	20236	22.860	ug/l	98
6) Chloroethane	1.691	64	17844	18.734	ug/l	98
7) Trichlorofluoromethane	1.886	101	43949	17.590	ug/l	99
8) Diethyl Ether	2.130	74	19259	23.541	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	29044	20.600	ug/l	93
10) Methyl Iodide	2.453	142	35765	17.704	ug/l	92
11) Tert butyl alcohol	3.032	59	34364m	103.300	ug/l	
12) 1,1-Dichloroethene	2.319	96	27256	18.418	ug/l	93
13) Acrolein	2.239	56	41738	135.983	ug/l	100
14) Allyl chloride	2.666	41	49552	17.753	ug/l	88
15) Acrylonitrile	3.069	53	83428	95.292	ug/l	100
16) Acetone	2.404	43	74143	99.059	ug/l	98
17) Carbon Disulfide	2.514	76	61007	17.518	ug/l	98
18) Methyl Acetate	2.709	43	51469	19.259	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	97767	19.022	ug/l	99
20) Methylene Chloride	2.788	84	35545	19.836	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	30467	17.611	ug/l	97
22) Diisopropyl ether	3.757	45	102280	18.213	ug/l	97
23) Vinyl Acetate	3.721	43	390317	92.327	ug/l	98
24) 1,1-Dichloroethane	3.605	63	53963	17.563	ug/l	99
25) 2-Butanone	4.568	43	115899	92.630	ug/l	94
26) 2,2-Dichloropropane	4.471	77	37925	17.232	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	35659	17.929	ug/l	98
28) Bromochloromethane	4.898	49	27600	19.721	ug/l	95
29) Tetrahydrofuran	5.013	42	74919	95.004	ug/l	98
30) Chloroform	5.093	83	55682	17.694	ug/l	99
31) Cyclohexane	5.471	56	49915	17.714	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	46704	17.383	ug/l	99
36) 1,1-Dichloropropene	5.690	75	41207	17.827	ug/l	99
37) Ethyl Acetate	4.715	43	45868	19.025	ug/l	99
38) Carbon Tetrachloride	5.672	117	41713	17.423	ug/l	98
39) Methylcyclohexane	7.379	83	51343	17.986	ug/l	95
40) Benzene	6.038	78	122389	18.165	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	26051	20.451	ug/l	99
42) 1,2-Dichloroethane	6.086	62	42953	17.989	ug/l	98
43) Isopropyl Acetate	6.336	43	68547	18.784	ug/l	98
44) Trichloroethene	7.123	130	35805	19.004	ug/l	99
45) 1,2-Dichloropropane	7.428	63	31299	18.544	ug/l	98
46) Dibromomethane	7.580	93	22491	19.078	ug/l	97
47) Bromodichloromethane	7.818	83	41065	18.075	ug/l	99
48) Methyl methacrylate	7.690	41	34830	18.947	ug/l	96
49) 1,4-Dioxane	7.738	88	17179	422.488	ug/l #	98
51) 4-Methyl-2-Pentanone	8.574	43	222031	99.070	ug/l	99
52) Toluene	8.720	92	81145	18.650	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	42443	18.680	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	47823	18.784	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	33293	19.331	ug/l	98
56) Ethyl methacrylate	9.116	69	48336	19.942	ug/l	98
57) 1,3-Dichloropropane	9.305	76	55408	19.840	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	115746	96.963	ug/l	98
59) 2-Hexanone	9.433	43	163210	104.630	ug/l	98
60) Dibromochloromethane	9.519	129	34634	19.397	ug/l	99
61) 1,2-Dibromoethane	9.610	107	35452	20.625	ug/l	99
64) Tetrachloroethene	9.275	164	32920	19.316	ug/l	97
65) Chlorobenzene	10.080	112	89623	18.749	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	33537	19.064	ug/l	99
67) Ethyl Benzene	10.195	91	152344	18.562	ug/l	99
68) m/p-Xylenes	10.299	106	122272	38.089	ug/l	99
69) o-Xylene	10.640	106	59668	18.742	ug/l	100
70) Styrene	10.653	104	99158	19.151	ug/l	99
71) Bromoform	10.799	173	26898	18.247	ug/l #	98
73) Isopropylbenzene	10.964	105	156861	18.365	ug/l	99
74) N-amyl acetate	10.842	43	56056	17.870	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	48254	18.902	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	43752m	19.933	ug/l	
77) Bromobenzene	11.195	156	42401	18.556	ug/l	98
78) n-propylbenzene	11.305	91	173882	17.838	ug/l	99
79) 2-Chlorotoluene	11.366	91	104899	18.013	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	131027	18.228	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12494	17.691	ug/l	95
82) 4-Chlorotoluene	11.457	91	119566	17.929	ug/l	100
83) tert-Butylbenzene	11.713	119	133581	18.716	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	130024	19.122	ug/l	99
85) sec-Butylbenzene	11.890	105	161037	18.864	ug/l	99
86) p-Isopropyltoluene	12.006	119	140542	19.229	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	76897	19.051	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	77471	18.841	ug/l	99
89) n-Butylbenzene	12.335	91	111972	18.727	ug/l	99
90) Hexachloroethane	12.536	117	21511	17.892	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	76470	19.633	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9227	18.928	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	52302	19.934	ug/l	99
94) Hexachlorobutadiene	13.725	225	25038	19.481	ug/l	98
95) Naphthalene	13.774	128	151601	20.084	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	51948	19.787	ug/l	99

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

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