

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033791.D
 Acq On : 19 Jan 2023 11:19
 Operator : JC/MD
 Sample : VX0119WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0119WBS02

Quant Time: Jan 20 05:18:43 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

Manual Integrations APPROVED

Reviewed By : John Carlone 01/20/2023
 Supervised By : Mahesh Dadoda 01/20/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	175503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	250453	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95291	51.568	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.140%			
35) Dibromofluoromethane	5.385	113	79544	51.148	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.300%			
50) Toluene-d8	8.647	98	278462	49.143	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.280%			
62) 4-Bromofluorobenzene	11.079	95	110841	52.686	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.380%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	21663	15.620	ug/l	93
3) Chloromethane	1.294	50	23478	15.323	ug/l	100
4) Vinyl Chloride	1.374	62	24684	16.603	ug/l	96
5) Bromomethane	1.618	94	18054	21.135	ug/l	99
6) Chloroethane	1.691	64	17001	18.496	ug/l	97
7) Trichlorofluoromethane	1.892	101	44407	18.418	ug/l	92
8) Diethyl Ether	2.130	74	18894	23.933	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	25464	18.782	ug/l	98
10) Methyl Iodide	2.453	142	26833	13.765	ug/l	98
11) Tert butyl alcohol	3.026	59	31846m	99.205	ug/l	
12) 1,1-Dichloroethene	2.319	96	23503	16.458	ug/l	96
13) Acrolein	2.239	56	31415	106.065	ug/l	99
14) Allyl chloride	2.666	41	45068	16.733	ug/l	97
15) Acrylonitrile	3.069	53	74035	87.632	ug/l	98
16) Acetone	2.398	43	71368	98.780	ug/l	99
17) Carbon Disulfide	2.514	76	55223	16.546	ug/l	100
18) Methyl Acetate	2.709	43	45297	17.565	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	91477	18.444	ug/l	98
20) Methylene Chloride	2.788	84	29949	16.985	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	27447	16.441	ug/l	99
22) Diisopropyl ether	3.757	45	97895	18.065	ug/l	98
23) Vinyl Acetate	3.721	43	378878	92.873	ug/l	98
24) 1,1-Dichloroethane	3.611	63	50448	17.015	ug/l	99
25) 2-Butanone	4.562	43	112249	92.969	ug/l	100
26) 2,2-Dichloropropane	4.477	77	37919	17.855	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	32991	17.189	ug/l	96
28) Bromochloromethane	4.897	49	23746	17.583	ug/l	98
29) Tetrahydrofuran	5.019	42	71904	94.490	ug/l	100
30) Chloroform	5.093	83	55445	18.258	ug/l	98
31) Cyclohexane	5.477	56	48073	17.679	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	47102	18.167	ug/l	99
36) 1,1-Dichloropropene	5.690	75	39482	17.395	ug/l	99
37) Ethyl Acetate	4.708	43	46470	19.727	ug/l	97
38) Carbon Tetrachloride	5.678	117	42501	18.080	ug/l	99
39) Methylcyclohexane	7.379	83	51641	18.424	ug/l	98
40) Benzene	6.038	78	119773	18.104	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	25316	20.240	ug/l	98
42) 1,2-Dichloroethane	6.086	62	45783	19.528	ug/l	96
43) Isopropyl Acetate	6.342	43	68606	19.147	ug/l	99
44) Trichloroethene	7.123	130	35141	18.995	ug/l	99
45) 1,2-Dichloropropane	7.428	63	31912	19.256	ug/l	99
46) Dibromomethane	7.580	93	22090	19.083	ug/l	99
47) Bromodichloromethane	7.818	83	41810	18.742	ug/l	95
48) Methyl methacrylate	7.690	41	35335	19.576	ug/l	99
49) 1,4-Dioxane	7.720	88	16755	419.655	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	221504	100.657	ug/l	97
52) Toluene	8.720	92	76892	17.998	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	42785	19.178	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	45312	18.126	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	33583	19.858	ug/l	97
56) Ethyl methacrylate	9.116	69	47543	19.976	ug/l	100
57) 1,3-Dichloropropane	9.305	76	54941	20.036	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	107910	92.065	ug/l	98
59) 2-Hexanone	9.427	43	163622	106.827	ug/l	99
60) Dibromochloromethane	9.519	129	34517	19.687	ug/l	99
61) 1,2-Dibromoethane	9.610	107	33756	20.001	ug/l	97
64) Tetrachloroethene	9.275	164	32208	18.676	ug/l	98
65) Chlorobenzene	10.079	112	89145	18.477	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	33271	18.738	ug/l	100
67) Ethyl Benzene	10.195	91	154313	18.629	ug/l	99
68) m/p-Xylenes	10.299	106	121099	37.376	ug/l	99
69) o-Xylene	10.640	106	58314	18.149	ug/l	98
70) Styrene	10.653	104	96393	18.446	ug/l	98
71) Bromoform	10.799	173	25849	17.374	ug/l #	99
73) Isopropylbenzene	10.963	105	156347	17.649	ug/l	99
74) N-amyl acetate	10.842	43	58509	18.076	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	48769	18.440	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	44073m	19.460	ug/l	
77) Bromobenzene	11.195	156	42180	17.804	ug/l	100
78) n-propylbenzene	11.305	91	175997	17.497	ug/l	100
79) 2-Chlorotoluene	11.366	91	104684	17.317	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	130458	17.588	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	12365	16.968	ug/l	93
82) 4-Chlorotoluene	11.451	91	119441	17.257	ug/l	99
83) tert-Butylbenzene	11.713	119	132487	17.990	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	131008	18.672	ug/l	99
85) sec-Butylbenzene	11.890	105	162600	18.459	ug/l	100
86) p-Isopropyltoluene	12.006	119	140804	18.670	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	75359	18.093	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	77331	18.226	ug/l	99
89) n-Butylbenzene	12.329	91	113886	18.459	ug/l	99
90) Hexachloroethane	12.536	117	21399	17.250	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	74509	18.539	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8995	17.883	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	52076	19.236	ug/l	99
94) Hexachlorobutadiene	13.725	225	23966	18.072	ug/l	97
95) Naphthalene	13.774	128	149637	19.212	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	51684	19.079	ug/l	99

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

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