

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033012.D
 Acq On : 23 Nov 2022 12:20
 Operator : JC/MD
 Sample : VX1123WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1123WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2022
 Supervised By : Mahesh Dadoda 11/28/2022

Quant Time: Nov 24 04:04:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	129640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	203223	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58605	46.013	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.020%		
35) Dibromofluoromethane	5.385	113	49811	43.477	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.960%		
50) Toluene-d8	8.647	98	156862	45.302	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.600%#		
62) 4-Bromofluorobenzene	11.079	95	67022	44.533	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	17611	17.781	ug/l	99
3) Chloromethane	1.294	50	18868	17.646	ug/l	95
4) Vinyl Chloride	1.374	62	21901	18.396	ug/l	97
5) Bromomethane	1.618	94	14610	16.549	ug/l	98
6) Chloroethane	1.691	64	16751	17.283	ug/l	98
7) Trichlorofluoromethane	1.892	101	44100	19.086	ug/l	97
8) Diethyl Ether	2.130	74	13999	19.244	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	23693	19.509	ug/l	99
10) Methyl Iodide	2.453	142	19142	13.768	ug/l	99
11) Tert butyl alcohol	3.008	59	22662m	113.236	ug/l	
12) 1,1-Dichloroethene	2.325	96	21797	19.267	ug/l	95
13) Acrolein	2.239	56	19510	84.870	ug/l	99
14) Allyl chloride	2.666	41	34636	18.963	ug/l	98
15) Acrylonitrile	3.068	53	57092	100.858	ug/l	99
16) Acetone	2.398	43	61193	103.785	ug/l	99
17) Carbon Disulfide	2.514	76	54436	17.416	ug/l	98
18) Methyl Acetate	2.709	43	32662	20.012	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	75163	19.157	ug/l	98
20) Methylene Chloride	2.788	84	24837	19.452	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	23800	18.391	ug/l	97
22) Diisopropyl ether	3.757	45	75775	19.053	ug/l #	86
23) Vinyl Acetate	3.721	43	299163	96.097	ug/l	99
24) 1,1-Dichloroethane	3.611	63	42584	18.711	ug/l	98
25) 2-Butanone	4.568	43	85284	104.897	ug/l	95
26) 2,2-Dichloropropane	4.477	77	35000	19.126	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	27925	18.992	ug/l	99
28) Bromochloromethane	4.897	49	20502	20.502	ug/l	100
29) Tetrahydrofuran	5.013	42	51774	100.357	ug/l	99
30) Chloroform	5.093	83	48660	19.090	ug/l	89
31) Cyclohexane	5.470	56	37634	18.397	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	43833	19.202	ug/l	99
36) 1,1-Dichloropropene	5.696	75	34609	18.892	ug/l	100
37) Ethyl Acetate	4.721	43	32499	20.334	ug/l	98
38) Carbon Tetrachloride	5.678	117	38572	18.980	ug/l	96
39) Methylcyclohexane	7.379	83	40040	19.156	ug/l	97
40) Benzene	6.037	78	98837	19.243	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18383	20.441	ug/l	94
42) 1,2-Dichloroethane	6.086	62	39724	19.208	ug/l	99
43) Isopropyl Acetate	6.336	43	52454	19.845	ug/l	98
44) Trichloroethene	7.123	130	27488	19.072	ug/l	93
45) 1,2-Dichloropropane	7.427	63	24924	19.635	ug/l	99
46) Dibromomethane	7.580	93	18452	18.630	ug/l	98
47) Bromodichloromethane	7.824	83	37109	19.390	ug/l	99
48) Methyl methacrylate	7.696	41	26116	19.195	ug/l	98
49) 1,4-Dioxane	7.726	88	11888	474.669	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	168623	103.385	ug/l	100
52) Toluene	8.720	92	63561	18.810	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	36425	18.693	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	39514	19.152	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	25952	18.864	ug/l	96
56) Ethyl methacrylate	9.116	69	37501	19.784	ug/l	98
57) 1,3-Dichloropropane	9.311	76	42712	19.231	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	90551	100.598	ug/l	99
59) 2-Hexanone	9.427	43	128791	106.893	ug/l	100
60) Dibromochloromethane	9.519	129	28130	18.991	ug/l	98
61) 1,2-Dibromoethane	9.610	107	27675	19.058	ug/l	99
64) Tetrachloroethene	9.275	164	24379	18.677	ug/l	98
65) Chlorobenzene	10.079	112	70458	19.164	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	26303	19.526	ug/l	99
67) Ethyl Benzene	10.195	91	127876	19.608	ug/l	100
68) m/p-Xylenes	10.299	106	99523	38.970	ug/l	99
69) o-Xylene	10.640	106	47264	19.127	ug/l	99
70) Styrene	10.652	104	79078	19.561	ug/l	100
71) Bromoform	10.799	173	20680	20.022	ug/l #	99
73) Isopropylbenzene	10.963	105	129902	19.153	ug/l	99
74) N-amyl acetate	10.841	43	45653	19.787	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	39596	19.343	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	35731m	19.878	ug/l	
77) Bromobenzene	11.195	156	31323	18.778	ug/l	99
78) n-propylbenzene	11.305	91	148887	19.200	ug/l	99
79) 2-Chlorotoluene	11.366	91	89193	18.938	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	111123	19.503	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10316	18.654	ug/l	92
82) 4-Chlorotoluene	11.457	91	104397	18.915	ug/l	100
83) tert-Butylbenzene	11.713	119	105898	18.672	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	111137	19.562	ug/l	99
85) sec-Butylbenzene	11.890	105	132458	19.521	ug/l	99
86) p-Isopropyltoluene	12.006	119	113413	19.728	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	59630	19.059	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	60108	18.759	ug/l	99
89) n-Butylbenzene	12.335	91	95603	19.304	ug/l	100
90) Hexachloroethane	12.536	117	17929	18.983	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	57429	18.870	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8418	20.610	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	35167	18.745	ug/l	99
94) Hexachlorobutadiene	13.725	225	15743	19.021	ug/l	98
95) Naphthalene	13.774	128	115451	19.022	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	36050	19.162	ug/l	100

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

