

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033036.D
 Acq On : 24 Nov 2022 04:09
 Operator : JC/MD
 Sample : VX1123WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1123WBS02

Manual Integrations
 APPROVED

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

Quant Time: Nov 24 04:34:06 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	117980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	192656	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58004	50.335	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.660%			
35) Dibromofluoromethane	5.391	113	49329	45.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.840%			
50) Toluene-d8	8.647	98	151111	46.071	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.140%			
62) 4-Bromofluorobenzene	11.079	95	63649	44.612	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	17033	18.897	ug/l	99
3) Chloromethane	1.295	50	18238	18.743	ug/l	96
4) Vinyl Chloride	1.374	62	20848	19.242	ug/l	97
5) Bromomethane	1.618	94	12753	15.873	ug/l	97
6) Chloroethane	1.691	64	15795	17.907	ug/l	96
7) Trichlorofluoromethane	1.892	101	43559	20.715	ug/l	99
8) Diethyl Ether	2.136	74	13953	21.076	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	22178	20.066	ug/l	97
10) Methyl Iodide	2.453	142	16904	13.360	ug/l	99
11) Tert butyl alcohol	3.020	59	21725m	119.282	ug/l	
12) 1,1-Dichloroethene	2.325	96	20631	20.038	ug/l	97
13) Acrolein	2.240	56	17885	85.490	ug/l	98
14) Allyl chloride	2.666	41	33158	19.948	ug/l	97
15) Acrylonitrile	3.069	53	55337	107.419	ug/l	98
16) Acetone	2.398	43	50078	93.328	ug/l	98
17) Carbon Disulfide	2.514	76	52525	18.466	ug/l	100
18) Methyl Acetate	2.709	43	31500	21.207	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	72638	20.343	ug/l	95
20) Methylene Chloride	2.794	84	24186	20.908	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	23162	19.667	ug/l	97
22) Diisopropyl ether	3.758	45	74360	20.545	ug/l #	82
23) Vinyl Acetate	3.721	43	288966	101.995	ug/l	99
24) 1,1-Dichloroethane	3.611	63	42779	20.655	ug/l	100
25) 2-Butanone	4.568	43	77592	104.868	ug/l	97
26) 2,2-Dichloropropane	4.477	77	28531	17.132	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	27110	20.260	ug/l	98
28) Bromochloromethane	4.898	49	19302	21.209	ug/l	99
29) Tetrahydrofuran	5.013	42	50467	107.492	ug/l	99
30) Chloroform	5.093	83	47877	20.639	ug/l	99
31) Cyclohexane	5.477	56	36409	19.557	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	42371	20.396	ug/l	99
36) 1,1-Dichloropropene	5.690	75	33436	19.253	ug/l	100
37) Ethyl Acetate	4.721	43	31333	20.680	ug/l	97
38) Carbon Tetrachloride	5.678	117	38089	19.771	ug/l	99
39) Methylcyclohexane	7.379	83	37016	18.681	ug/l	98
40) Benzene	6.038	78	97205	19.963	ug/l	97

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41) Methacrylonitrile	4.922	41	17096	20.053	ug/l	98
42) 1,2-Dichloroethane	6.086	62	39993	20.399	ug/l	99
43) Isopropyl Acetate	6.336	43	50605	20.196	ug/l	99
44) Trichloroethene	7.129	130	26211	19.183	ug/l	99
45) 1,2-Dichloropropane	7.434	63	24706	20.531	ug/l	98
46) Dibromomethane	7.586	93	18602	19.812	ug/l	98
47) Bromodichloromethane	7.824	83	35950	19.815	ug/l	99
48) Methyl methacrylate	7.690	41	25812	20.012	ug/l	100
49) 1,4-Dioxane	7.726	88	11769	495.693	ug/l #	56
51) 4-Methyl-2-Pentanone	8.574	43	161264	104.296	ug/l	100
52) Toluene	8.720	92	62935	19.646	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	34112	18.485	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	37484	19.164	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	25427	19.496	ug/l	98
56) Ethyl methacrylate	9.116	69	35469	19.738	ug/l	98
57) 1,3-Dichloropropane	9.311	76	41831	19.867	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	85058	99.678	ug/l	99
59) 2-Hexanone	9.427	43	122137	106.930	ug/l	99
60) Dibromochloromethane	9.519	129	27988	19.932	ug/l	97
61) 1,2-Dibromoethane	9.610	107	27201	19.759	ug/l	99
64) Tetrachloroethene	9.275	164	23662	19.242	ug/l	95
65) Chlorobenzene	10.080	112	68414	19.752	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	26117	20.579	ug/l	99
67) Ethyl Benzene	10.195	91	122695	19.970	ug/l	99
68) m/p-Xylenes	10.299	106	95157	39.551	ug/l	100
69) o-Xylene	10.640	106	45937	19.733	ug/l	99
70) Styrene	10.653	104	75817	19.908	ug/l	100
71) Bromoform	10.799	173	18949	19.474	ug/l #	98
73) Isopropylbenzene	10.964	105	122905	19.620	ug/l	100
74) N-amyl acetate	10.842	43	43984	20.640	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	38275	20.244	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	34459m	20.756	ug/l	
77) Bromobenzene	11.195	156	29971	19.454	ug/l	98
78) n-propylbenzene	11.305	91	141887	19.810	ug/l	100
79) 2-Chlorotoluene	11.366	91	85926	19.753	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	104686	19.893	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8870	17.366	ug/l	92
82) 4-Chlorotoluene	11.451	91	100402	19.696	ug/l	99
83) tert-Butylbenzene	11.713	119	102402	19.548	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	105777	20.158	ug/l	99
85) sec-Butylbenzene	11.890	105	124377	19.846	ug/l	99
86) p-Isopropyltoluene	12.006	119	105983	19.960	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	56250	19.466	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	56751	19.176	ug/l	99
89) n-Butylbenzene	12.329	91	87573	19.145	ug/l	99
90) Hexachloroethane	12.536	117	16613	19.044	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	56203	19.994	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8024	21.271	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	32670	18.854	ug/l	100
94) Hexachlorobutadiene	13.725	225	13885	18.163	ug/l	98
95) Naphthalene	13.774	128	111649	19.917	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	33510	19.285	ug/l	99

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

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