

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122022\
 Data File : VX033500.D
 Acq On : 20 Dec 2022 11:59
 Operator : JC/MD
 Sample : VX1220WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/21/2022
 Supervised By : Mahesh Dadoda 12/21/2022

Quant Time: Dec 21 04:13:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	124816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	193008	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	35595	44.453	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.900%		
35) Dibromofluoromethane	5.385	113	41259	47.527	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.060%		
50) Toluene-d8	8.647	98	88265	48.603	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.200%		
62) 4-Bromofluorobenzene	11.079	95	70297	50.625	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	16686	19.137	ug/l	95
3) Chloromethane	1.294	50	17761	17.618	ug/l	97
4) Vinyl Chloride	1.374	62	20732	18.011	ug/l	93
5) Bromomethane	1.617	94	12825	15.182	ug/l	97
6) Chloroethane	1.691	64	14694	16.830	ug/l	98
7) Trichlorofluoromethane	1.892	101	33301	15.410	ug/l	98
8) Diethyl Ether	2.130	74	11185	14.330	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	22990	20.055	ug/l	99
10) Methyl Iodide	2.453	142	25140	20.024	ug/l	97
11) Tert butyl alcohol	2.995	59	20506	83.762	ug/l	98
12) 1,1-Dichloroethene	2.319	96	19419	17.161	ug/l	97
13) Acrolein	2.239	56	17768	66.920	ug/l	97
14) Allyl chloride	2.666	41	34503	19.094	ug/l	96
15) Acrylonitrile	3.068	53	57271	94.440	ug/l	100
16) Acetone	2.386	43	63155	106.586	ug/l	99
17) Carbon Disulfide	2.514	76	48304	16.632	ug/l	98
18) Methyl Acetate	2.703	43	33916	19.773	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	79786	20.356	ug/l	100
20) Methylene Chloride	2.788	84	25550	19.335	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	25094	20.273	ug/l	95
22) Diisopropyl ether	3.757	45	78215	20.202	ug/l	91
23) Vinyl Acetate	3.721	43	293679	97.729	ug/l	99
24) 1,1-Dichloroethane	3.611	63	45013	19.787	ug/l	99
25) 2-Butanone	4.562	43	83462	98.130	ug/l	96
26) 2,2-Dichloropropane	4.477	77	36771	21.981	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	29838	20.170	ug/l	96
28) Bromochloromethane	4.903	49	18145	19.055	ug/l	93
29) Tetrahydrofuran	5.013	42	51193	92.900	ug/l	98
30) Chloroform	5.092	83	52391	20.745	ug/l	98
31) Cyclohexane	5.470	56	37466	19.688	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	46116	21.224	ug/l	98
36) 1,1-Dichloropropene	5.690	75	36267	21.428	ug/l	99
37) Ethyl Acetate	4.708	43	30908	19.318	ug/l	98
38) Carbon Tetrachloride	5.678	117	40409	21.309	ug/l	98
39) Methylcyclohexane	7.379	83	41125	21.708	ug/l	98
40) Benzene	6.037	78	104312	21.138	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	17757	20.141	ug/l	98
42) 1,2-Dichloroethane	6.086	62	41806	21.334	ug/l	99
43) Isopropyl Acetate	6.336	43	51415	19.973	ug/l	98
44) Trichloroethene	7.123	130	29964	22.023	ug/l	93
45) 1,2-Dichloropropane	7.427	63	26626	21.097	ug/l	100
46) Dibromomethane	7.580	93	19994	20.796	ug/l	97
47) Bromodichloromethane	7.818	83	39872	21.275	ug/l	98
48) Methyl methacrylate	7.690	41	26715	20.108	ug/l	94
49) 1,4-Dioxane	7.690	88	11578	382.161	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	166989	102.577	ug/l	98
52) Toluene	8.720	92	69752	21.861	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	39093	20.950	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	42141	21.131	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	29412	21.929	ug/l	97
56) Ethyl methacrylate	9.116	69	39745	21.047	ug/l	92
57) 1,3-Dichloropropane	9.305	76	46767	21.706	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	85131	98.526	ug/l	98
59) 2-Hexanone	9.427	43	127393	106.189	ug/l	96
60) Dibromochloromethane	9.518	129	31121	21.060	ug/l	98
61) 1,2-Dibromoethane	9.610	107	30112	21.107	ug/l	100
64) Tetrachloroethene	9.275	164	26679	21.761	ug/l	95
65) Chlorobenzene	10.079	112	77737	21.411	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	29683	21.634	ug/l	99
67) Ethyl Benzene	10.195	91	138705	21.929	ug/l	97
68) m/p-Xylenes	10.299	106	109030	44.305	ug/l	97
69) o-Xylene	10.640	106	52711	21.670	ug/l	96
70) Styrene	10.652	104	87702	22.014	ug/l	98
71) Bromoform	10.799	173	22398	20.624	ug/l #	100
73) Isopropylbenzene	10.963	105	139710	20.615	ug/l	99
74) N-amyl acetate	10.841	43	44274	19.147	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	42109	19.585	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	37993m	19.972	ug/l	
77) Bromobenzene	11.195	156	35016	20.461	ug/l	96
78) n-propylbenzene	11.305	91	160491	21.208	ug/l	100
79) 2-Chlorotoluene	11.366	91	95422	20.404	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	118091	20.933	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10346	16.918	ug/l	95
82) 4-Chlorotoluene	11.457	91	113014	20.782	ug/l	98
83) tert-Butylbenzene	11.713	119	115720	20.570	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	117950	20.945	ug/l	99
85) sec-Butylbenzene	11.890	105	142521	21.714	ug/l	99
86) p-Isopropyltoluene	12.012	119	121943	21.549	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	65418	21.102	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	66572	21.023	ug/l	99
89) n-Butylbenzene	12.335	91	99549	21.479	ug/l	99
90) Hexachloroethane	12.536	117	18809	19.554	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	64786	20.903	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8064	17.364	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	38524	20.581	ug/l	98
94) Hexachlorobutadiene	13.725	225	17410	23.227	ug/l	98
95) Naphthalene	13.774	128	124413	19.926	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	38759	20.445	ug/l	99

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

