

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101222\
 Data File : VX032077.D
 Acq On : 12 Oct 2022 12:26
 Operator : JC/MD
 Sample : VX1012WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/13/2022
 Supervised By : Mahesh Dadoda 10/13/2022

Quant Time: Oct 13 09:11:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	70576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	107540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119405	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84616	58.054	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.100%			
35) Dibromofluoromethane	5.385	113	65147	53.518	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.040%			
50) Toluene-d8	8.647	98	235592	53.785	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.580%			
62) 4-Bromofluorobenzene	11.079	95	90492	58.437	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20380	19.403	ug/l	96
3) Chloromethane	1.288	50	18965	17.243	ug/l	98
4) Vinyl Chloride	1.374	62	22021	17.132	ug/l	98
5) Bromomethane	1.611	94	16629	17.647	ug/l	98
6) Chloroethane	1.685	64	17831	16.302	ug/l	98
7) Trichlorofluoromethane	1.886	101	42719	18.489	ug/l	98
8) Diethyl Ether	2.130	74	13648	17.330	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	21133	18.096	ug/l	91
10) Methyl Iodide	2.453	142	17714	16.841	ug/l	97
11) Tert butyl alcohol	2.989	59	17209	94.898	ug/l	99
12) 1,1-Dichloroethene	2.319	96	18147	16.881	ug/l	97
13) Acrolein	2.239	56	7519	60.066	ug/l	99
14) Allyl chloride	2.660	41	30181	19.731	ug/l	96
15) Acrylonitrile	3.062	53	52098	90.120	ug/l	99
16) Acetone	2.386	43	48132	97.165	ug/l	100
17) Carbon Disulfide	2.508	76	37239	16.131	ug/l	97
18) Methyl Acetate	2.703	43	31456	19.246	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	67046	18.585	ug/l	99
20) Methylene Chloride	2.788	84	22513	17.295	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	20732	17.415	ug/l	96
22) Diisopropyl ether	3.757	45	69768	20.289	ug/l	91
23) Vinyl Acetate	3.721	43	266343	103.621	ug/l	99
24) 1,1-Dichloroethane	3.605	63	38508	18.682	ug/l	98
25) 2-Butanone	4.562	43	74981	96.829	ug/l	99
26) 2,2-Dichloropropane	4.471	77	29782	20.115	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	25788	18.104	ug/l	93
28) Bromochloromethane	4.897	49	18929	21.454	ug/l	93
29) Tetrahydrofuran	5.007	42	46452	92.971	ug/l	99
30) Chloroform	5.092	83	45119	19.651	ug/l	97
31) Cyclohexane	5.470	56	32382	18.597	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	38071	19.512	ug/l	99
36) 1,1-Dichloropropene	5.696	75	30406	18.837	ug/l	98
37) Ethyl Acetate	4.715	43	29390	19.339	ug/l	100
38) Carbon Tetrachloride	5.672	117	32615	19.761	ug/l	98
39) Methylcyclohexane	7.385	83	36434	18.923	ug/l	96
40) Benzene	6.037	78	89023	18.834	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	16402	20.755	ug/l	98
42) 1,2-Dichloroethane	6.086	62	36791	21.360	ug/l	100
43) Isopropyl Acetate	6.342	43	47992	20.814	ug/l	100
44) Trichloroethene	7.123	130	24689	17.814	ug/l	100
45) 1,2-Dichloropropane	7.434	63	23202	19.974	ug/l	95
46) Dibromomethane	7.580	93	17571	19.518	ug/l	96
47) Bromodichloromethane	7.824	83	32235	20.728	ug/l	97
48) Methyl methacrylate	7.696	41	23894	21.687	ug/l	96
49) 1,4-Dioxane	7.696	88	8955	311.717	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	155168	101.552	ug/l	100
52) Toluene	8.720	92	58150	18.816	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	30715	19.112	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	34507	20.489	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	24366	18.680	ug/l	98
56) Ethyl methacrylate	9.116	69	33473	20.020	ug/l	96
57) 1,3-Dichloropropane	9.311	76	40825	19.477	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	86562	100.294	ug/l	97
59) 2-Hexanone	9.433	43	116540	103.441	ug/l	98
60) Dibromochloromethane	9.519	129	23880	20.005	ug/l	99
61) 1,2-Dibromoethane	9.610	107	24673	18.809	ug/l	95
64) Tetrachloroethene	9.275	164	23900	17.729	ug/l	93
65) Chlorobenzene	10.079	112	63203	17.469	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	22216	17.746	ug/l	94
67) Ethyl Benzene	10.195	91	113283	18.508	ug/l	99
68) m/p-Xylenes	10.299	106	86658	35.628	ug/l	95
69) o-Xylene	10.640	106	43257	18.297	ug/l	99
70) Styrene	10.659	104	70514	18.658	ug/l	99
71) Bromoform	10.799	173	14365	17.528	ug/l #	98
73) Isopropylbenzene	10.963	105	116708	18.438	ug/l	97
74) N-amyl acetate	10.841	43	39804	20.592	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	35679	17.740	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	32907m	19.131	ug/l	
77) Bromobenzene	11.201	156	26365	16.909	ug/l	92
78) n-propylbenzene	11.305	91	137319	19.073	ug/l	98
79) 2-Chlorotoluene	11.366	91	82283	18.991	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	99022	18.862	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7663	18.267	ug/l #	77
82) 4-Chlorotoluene	11.457	91	94424	19.029	ug/l	98
83) tert-Butylbenzene	11.713	119	95866	18.450	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	99037	18.570	ug/l	98
85) sec-Butylbenzene	11.890	105	127360	19.798	ug/l	97
86) p-Isopropyltoluene	12.012	119	107045	19.764	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	52092	17.546	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	54063	17.692	ug/l	99
89) n-Butylbenzene	12.335	91	91993	20.283	ug/l	98
90) Hexachloroethane	12.542	117	15027	18.300	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	52440	17.766	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7119	19.338	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	33119	18.487	ug/l	98
94) Hexachlorobutadiene	13.725	225	14231	19.640	ug/l	98
95) Naphthalene	13.774	128	110219	17.954	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	33091	18.210	ug/l	99

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

