

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101122\
 Data File : VX032030.D
 Acq On : 11 Oct 2022 12:37
 Operator : JC/MD
 Sample : VX1011WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/12/2022
 Supervised By : Mahesh Dadoda 10/12/2022

Quant Time: Oct 11 16:22:36 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	63607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	96478	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68787	52.365	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.720%			
35) Dibromofluoromethane	5.385	113	56401	51.646	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.300%			
50) Toluene-d8	8.647	98	200588	51.045	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.080%			
62) 4-Bromofluorobenzene	11.079	95	73792	53.117	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19951	21.076	ug/l	100
3) Chloromethane	1.288	50	17308	17.460	ug/l	100
4) Vinyl Chloride	1.374	62	20521	17.714	ug/l	93
5) Bromomethane	1.611	94	17782	21.655	ug/l	99
6) Chloroethane	1.685	64	16273	16.507	ug/l	98
7) Trichlorofluoromethane	1.886	101	41008	19.693	ug/l	99
8) Diethyl Ether	2.130	74	13622	19.192	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	21227	20.168	ug/l	91
10) Methyl Iodide	2.453	142	14030	15.134	ug/l	96
11) Tert butyl alcohol	2.977	59	17361	106.225	ug/l #	88
12) 1,1-Dichloroethene	2.319	96	17883	18.458	ug/l	90
13) Acrolein	2.239	56	9507	90.970	ug/l	98
14) Allyl chloride	2.660	41	27785	20.155	ug/l	98
15) Acrylonitrile	3.062	53	51892	99.599	ug/l	99
16) Acetone	2.386	43	42931	96.161	ug/l	98
17) Carbon Disulfide	2.508	76	37490	18.019	ug/l	95
18) Methyl Acetate	2.703	43	31073	21.094	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	62695	19.283	ug/l	98
20) Methylene Chloride	2.788	84	21521	18.344	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	20353	18.969	ug/l	90
22) Diisopropyl ether	3.757	45	62844	20.278	ug/l	91
23) Vinyl Acetate	3.721	43	242211	104.556	ug/l	100
24) 1,1-Dichloroethane	3.611	63	37397	20.130	ug/l	99
25) 2-Butanone	4.562	43	68088	97.561	ug/l	96
26) 2,2-Dichloropropane	4.477	77	26319	19.724	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	23719	18.475	ug/l	92
28) Bromochloromethane	4.891	49	17964	22.591	ug/l	89
29) Tetrahydrofuran	5.007	42	45247	100.481	ug/l	96
30) Chloroform	5.092	83	40561	19.601	ug/l	94
31) Cyclohexane	5.470	56	29843	19.017	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	34870	19.830	ug/l	99
36) 1,1-Dichloropropene	5.696	75	27500	18.990	ug/l	98
37) Ethyl Acetate	4.715	43	27476	20.153	ug/l	98
38) Carbon Tetrachloride	5.672	117	30386	20.521	ug/l	99
39) Methylcyclohexane	7.379	83	34441	19.939	ug/l	98
40) Benzene	6.037	78	82286	19.405	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	14845	20.939	ug/l	94
42) 1,2-Dichloroethane	6.086	62	32692	21.156	ug/l	99
43) Isopropyl Acetate	6.342	43	42998	20.787	ug/l	99
44) Trichloroethene	7.129	130	23501	18.901	ug/l	92
45) 1,2-Dichloropropane	7.427	63	21320	20.458	ug/l	92
46) Dibromomethane	7.580	93	16088	19.920	ug/l	95
47) Bromodichloromethane	7.824	83	29380	21.058	ug/l	100
48) Methyl methacrylate	7.690	41	21134	21.381	ug/l	92
49) 1,4-Dioxane	7.696	88	9533	383.741	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	143638	104.784	ug/l	99
52) Toluene	8.720	92	54235	19.561	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	27293	18.941	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	31433	20.804	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	22196	18.968	ug/l	97
56) Ethyl methacrylate	9.116	69	30921	20.614	ug/l	97
57) 1,3-Dichloropropane	9.311	76	37741	20.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	79973	103.284	ug/l	96
59) 2-Hexanone	9.433	43	106512	105.380	ug/l	100
60) Dibromochloromethane	9.519	129	22609	21.111	ug/l	98
61) 1,2-Dibromoethane	9.610	107	22463	19.088	ug/l	94
64) Tetrachloroethene	9.275	164	22923	19.088	ug/l	99
65) Chlorobenzene	10.079	112	58903	18.276	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	21037	18.864	ug/l	98
67) Ethyl Benzene	10.195	91	104307	19.130	ug/l	100
68) m/p-Xylenes	10.305	106	80400	37.106	ug/l	97
69) o-Xylene	10.640	106	38748	18.399	ug/l	96
70) Styrene	10.659	104	64945	19.290	ug/l	100
71) Bromoform	10.799	173	14562	19.946	ug/l #	99
73) Isopropylbenzene	10.963	105	104234	18.927	ug/l	98
74) N-amyl acetate	10.841	43	35596	21.166	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	33438	19.110	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	29161m	19.486	ug/l	
77) Bromobenzene	11.201	156	25478	18.781	ug/l	97
78) n-propylbenzene	11.305	91	122021	19.480	ug/l	99
79) 2-Chlorotoluene	11.366	91	72113	19.130	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	89635	19.624	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7207	19.456	ug/l #	81
82) 4-Chlorotoluene	11.457	91	83818	19.415	ug/l	99
83) tert-Butylbenzene	11.713	119	88093	19.487	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	89055	19.193	ug/l	99
85) sec-Butylbenzene	11.890	105	112474	20.096	ug/l	99
86) p-Isopropyltoluene	12.012	119	95325	20.229	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	48285	18.694	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	49509	18.622	ug/l	99
89) n-Butylbenzene	12.335	91	79467	20.138	ug/l	99
90) Hexachloroethane	12.542	117	14051	19.569	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	48591	18.921	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6537	20.410	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	29585	18.981	ug/l	99
94) Hexachlorobutadiene	13.725	225	13718	21.761	ug/l	96
95) Naphthalene	13.774	128	103369	19.354	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	30616	19.365	ug/l	99

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

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