

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111722\
 Data File : VX032891.D
 Acq On : 17 Nov 2022 11:48
 Operator : JC/MD
 Sample : VX1117WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/18/2022
 Supervised By : Mahesh Dadoda 11/18/2022

Quant Time: Nov 18 01:39:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	93641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	145458	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67043	51.527	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.060%			
35) Dibromofluoromethane	5.385	113	55205	53.206	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.420%			
50) Toluene-d8	8.647	98	175157	48.549	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.100%			
62) 4-Bromofluorobenzene	11.079	95	74290	52.714	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	17543	16.243	ug/l	95
3) Chloromethane	1.295	50	13961	15.285	ug/l	100
4) Vinyl Chloride	1.374	62	16199	16.115	ug/l	96
5) Bromomethane	1.618	94	12167	15.146	ug/l	98
6) Chloroethane	1.691	64	13147	19.496	ug/l	99
7) Trichlorofluoromethane	1.892	101	34844	18.294	ug/l	96
8) Diethyl Ether	2.130	74	11580	18.761	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	19795	19.691	ug/l	98
10) Methyl Iodide	2.453	142	19578	18.755	ug/l	98
11) Tert butyl alcohol	3.008	59	16213m	85.613	ug/l	
12) 1,1-Dichloroethene	2.319	96	16995	18.097	ug/l	97
13) Acrolein	2.240	56	20802	110.031	ug/l	98
14) Allyl chloride	2.666	41	27338	18.262	ug/l	98
15) Acrylonitrile	3.069	53	45227	87.998	ug/l	99
16) Acetone	2.392	43	43667	92.340	ug/l	99
17) Carbon Disulfide	2.514	76	33764	15.095	ug/l	98
18) Methyl Acetate	2.703	43	30029	19.527	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	65740	19.917	ug/l	99
20) Methylene Chloride	2.794	84	20880	19.257	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	18071	17.678	ug/l	96
22) Diisopropyl ether	3.758	45	63833	19.714	ug/l #	87
23) Vinyl Acetate	3.721	43	236137	90.266	ug/l	100
24) 1,1-Dichloroethane	3.611	63	36243	19.460	ug/l	99
25) 2-Butanone	4.562	43	63275	86.365	ug/l	99
26) 2,2-Dichloropropane	4.477	77	28963	19.563	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	22707	19.218	ug/l	97
28) Bromochloromethane	4.898	49	11562	17.428	ug/l	99
29) Tetrahydrofuran	5.007	42	38437	82.274	ug/l	98
30) Chloroform	5.093	83	41919	20.512	ug/l	96
31) Cyclohexane	5.465	56	27508	17.437	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	36685	20.003	ug/l	99
36) 1,1-Dichloropropene	5.696	75	26916	18.629	ug/l	99
37) Ethyl Acetate	4.715	43	24634	16.379	ug/l	98
38) Carbon Tetrachloride	5.678	117	31768	19.823	ug/l	98
39) Methylcyclohexane	7.385	83	29195	17.078	ug/l	97
40) Benzene	6.038	78	78543	19.210	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	14236	18.581	ug/l	97
42) 1,2-Dichloroethane	6.086	62	35062	20.978	ug/l	100
43) Isopropyl Acetate	6.336	43	42760	18.517	ug/l	99
44) Trichloroethene	7.123	130	22570	19.609	ug/l	99
45) 1,2-Dichloropropane	7.428	63	20556	19.585	ug/l	94
46) Dibromomethane	7.580	93	16207	20.135	ug/l	99
47) Bromodichloromethane	7.824	83	32850	21.533	ug/l	99
48) Methyl methacrylate	7.690	41	21558	18.076	ug/l	98
49) 1,4-Dioxane	7.708	88	7615	335.046	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	132810	91.309	ug/l	100
52) Toluene	8.720	92	51959	19.478	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	31756	20.402	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	33243	19.968	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	22760	20.259	ug/l	95
56) Ethyl methacrylate	9.116	69	30853	19.084	ug/l	97
57) 1,3-Dichloropropane	9.311	76	36911	20.345	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	79031	101.522	ug/l	98
59) 2-Hexanone	9.427	43	97808	90.625	ug/l	99
60) Dibromochloromethane	9.519	129	25476	20.761	ug/l	98
61) 1,2-Dibromoethane	9.610	107	23680	19.893	ug/l	100
64) Tetrachloroethene	9.275	164	19226	19.937	ug/l	96
65) Chlorobenzene	10.080	112	58884	19.952	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	23557	21.208	ug/l	99
67) Ethyl Benzene	10.195	91	104175	19.739	ug/l	98
68) m/p-Xylenes	10.299	106	80127	39.099	ug/l	99
69) o-Xylene	10.640	106	39529	19.839	ug/l	100
70) Styrene	10.653	104	67707	20.446	ug/l	98
71) Bromoform	10.799	173	18231	20.759	ug/l #	98
73) Isopropylbenzene	10.964	105	107905	19.519	ug/l	100
74) N-amyl acetate	10.842	43	36586	17.515	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	34596	19.496	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	29345m	18.907	ug/l	
77) Bromobenzene	11.195	156	27247	20.104	ug/l	98
78) n-propylbenzene	11.305	91	123170	19.338	ug/l	100
79) 2-Chlorotoluene	11.366	91	76436	20.038	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	92149	19.503	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8164	16.737	ug/l	94
82) 4-Chlorotoluene	11.457	91	88306	19.784	ug/l	100
83) tert-Butylbenzene	11.713	119	94063	19.941	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	91916	19.559	ug/l	99
85) sec-Butylbenzene	11.890	105	110903	19.539	ug/l	99
86) p-Isopropyltoluene	12.012	119	95105	19.747	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	50527	19.763	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	51717	19.499	ug/l	99
89) n-Butylbenzene	12.335	91	78381	18.707	ug/l	100
90) Hexachloroethane	12.536	117	15589	19.816	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	51177	20.301	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6765	17.388	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	31433	19.123	ug/l	100
94) Hexachlorobutadiene	13.725	225	13934	20.298	ug/l	99
95) Naphthalene	13.774	128	100394	18.330	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	31256	18.707	ug/l	97

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

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