

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121721\
 Data File : VX025851.D
 Acq On : 16 Dec 2021 13:12
 Operator : JC/MD
 Sample : VX1217WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1217WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/17/2021
 Supervised By : Mahesh Dadoda 12/22/2021

Quant Time: Dec 17 02:10:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	125304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	209999	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85633	47.497	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.000%		
35) Dibromofluoromethane	5.391	113	73115	49.923	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.840%		
50) Toluene-d8	8.653	98	270734	50.736	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.480%		
62) 4-Bromofluorobenzene	11.079	95	100003	49.335	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	24023	21.437	ug/l	98
3) Chloromethane	1.295	50	26989	18.496	ug/l	100
4) Vinyl Chloride	1.374	62	29831	19.219	ug/l	98
5) Bromomethane	1.599	94	22265	20.090	ug/l	96
6) Chloroethane	1.685	64	20458	18.198	ug/l	98
7) Trichlorofluoromethane	1.886	101	48441	18.894	ug/l	97
8) Diethyl Ether	2.136	74	17947	17.745	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	26027	19.508	ug/l	99
10) Methyl Iodide	2.453	142	28036	16.492	ug/l	99
11) Tert butyl alcohol	2.965	59	28544	78.926	ug/l	99
12) 1,1-Dichloroethene	2.319	96	23577	17.774	ug/l	98
13) Acrolein	2.240	56	17764	71.861	ug/l	98
14) Allyl chloride	2.660	41	41009	16.939	ug/l	97
15) Acrylonitrile	3.069	53	76753	90.910	ug/l	100
16) Acetone	2.380	43	81167	90.690	ug/l	98
17) Carbon Disulfide	2.514	76	57152	15.041	ug/l	99
18) Methyl Acetate	2.703	43	51157	18.617	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	84222	17.976	ug/l	99
20) Methylene Chloride	2.788	84	29381	17.479	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	26812	18.111	ug/l	99
22) Diisopropyl ether	3.764	45	85319	18.168	ug/l	96
23) Vinyl Acetate	3.727	43	330617	90.977	ug/l	99
24) 1,1-Dichloroethane	3.611	63	48166	17.963	ug/l	99
25) 2-Butanone	4.562	43	115741	95.449	ug/l	99
26) 2,2-Dichloropropane	4.477	77	32115	15.791	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	30679	17.477	ug/l	98
28) Bromochloromethane	4.898	49	20549	17.006	ug/l	97
29) Tetrahydrofuran	5.007	42	71001	92.094	ug/l	100
30) Chloroform	5.099	83	51783	17.608	ug/l	96
31) Cyclohexane	5.471	56	44170	20.146	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	44587	17.420	ug/l	99
36) 1,1-Dichloropropene	5.696	75	37395	18.828	ug/l	99
37) Ethyl Acetate	4.721	43	41752	18.921	ug/l	99
38) Carbon Tetrachloride	5.684	117	39286	17.001	ug/l	99
39) Methylcyclohexane	7.385	83	46458	20.905	ug/l	99
40) Benzene	6.038	78	110212	18.603	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	22247	18.218	ug/l	97
42) 1,2-Dichloroethane	6.086	62	41920	18.617	ug/l	99
43) Isopropyl Acetate	6.349	43	62229	17.504	ug/l	99
44) Trichloroethene	7.129	130	30902	18.735	ug/l	90
45) 1,2-Dichloropropane	7.434	63	26951	18.048	ug/l	98
46) Dibromomethane	7.586	93	20799	17.891	ug/l	100
47) Bromodichloromethane	7.824	83	38142	16.647	ug/l	97
48) Methyl methacrylate	7.696	41	30345	18.126	ug/l	96
49) 1,4-Dioxane	7.659	88	14316	391.702	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	220794	94.874	ug/l	100
52) Toluene	8.720	92	73385	19.440	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	33969	15.554	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	40279	16.856	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	29876	18.455	ug/l	98
56) Ethyl methacrylate	9.116	69	42952	18.475	ug/l	99
57) 1,3-Dichloropropane	9.311	76	49989	18.826	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	102206	100.010	ug/l	100
59) 2-Hexanone	9.433	43	170900	96.921	ug/l	99
60) Dibromochloromethane	9.525	129	29227	15.907	ug/l	99
61) 1,2-Dibromoethane	9.610	107	32290	18.396	ug/l	98
64) Tetrachloroethene	9.275	164	31254	19.831	ug/l	97
65) Chlorobenzene	10.080	112	79643	19.338	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	27367	17.016	ug/l	99
67) Ethyl Benzene	10.195	91	139319	20.004	ug/l	98
68) m/p-Xylenes	10.305	106	110023	40.598	ug/l	100
69) o-Xylene	10.647	106	54100	20.292	ug/l	99
70) Styrene	10.659	104	87994	19.835	ug/l	100
71) Bromoform	10.805	173	19714	14.880	ug/l #	100
73) Isopropylbenzene	10.964	105	141255	19.855	ug/l	100
74) N-amyl acetate	10.848	43	52064	18.194	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	45518	18.357	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	39293m	17.495	ug/l	
77) Bromobenzene	11.201	156	34314	18.803	ug/l	98
78) n-propylbenzene	11.305	91	159840	19.863	ug/l	100
79) 2-Chlorotoluene	11.366	91	96862	18.928	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	117597	19.930	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	9015	12.444	ug/l #	80
82) 4-Chlorotoluene	11.457	91	108053	18.856	ug/l	100
83) tert-Butylbenzene	11.720	119	114848	19.858	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	117189	19.881	ug/l	100
85) sec-Butylbenzene	11.890	105	145906	20.988	ug/l	100
86) p-Isopropyltoluene	12.012	119	123306	21.121	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	64253	18.897	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	64189	18.490	ug/l	98
89) n-Butylbenzene	12.335	91	99844	20.502	ug/l	99
90) Hexachloroethane	12.543	117	16177	14.099	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	64526	19.872	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8911	15.992	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	34799	19.957	ug/l	99
94) Hexachlorobutadiene	13.725	225	14902	21.575	ug/l	97
95) Naphthalene	13.780	128	116193	18.927	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	34854	19.910	ug/l	97

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

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