

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021722\
 Data File : VX027071.D
 Acq On : 17 Feb 2022 12:40
 Operator : JC/MD
 Sample : VX0217WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0217WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 18 03:47:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	76447	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	123862	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	113996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	45240	49.299	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.600%		
35) Dibromofluoromethane	5.385	113	36546	49.524	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.040%		
50) Toluene-d8	8.647	98	136128	50.254	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.500%		
62) 4-Bromofluorobenzene	11.079	95	52431	54.978	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	16146	19.424	ug/l	100
3) Chloromethane	1.294	50	14573	18.845	ug/l	99
4) Vinyl Chloride	1.374	62	14644	18.090	ug/l	99
5) Bromomethane	1.605	94	9378	27.301	ug/l	98
6) Chloroethane	1.691	64	9157	18.855	ug/l	98
7) Trichlorofluoromethane	1.892	101	23194	19.470	ug/l	99
8) Diethyl Ether	2.136	74	8502	19.267	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	16088	20.603	ug/l	98
10) Methyl Iodide	2.453	142	17907	18.043	ug/l	95
11) Tert butyl alcohol	2.959	59	17592	106.116	ug/l	96
12) 1,1-Dichloroethene	2.319	96	15182	19.405	ug/l	90
13) Acrolein	2.239	56	14145	92.329	ug/l	98
14) Allyl chloride	2.666	41	27478	19.828	ug/l	96
15) Acrylonitrile	3.062	53	51422	108.242	ug/l	99
16) Acetone	2.380	43	45217	112.188	ug/l	95
17) Carbon Disulfide	2.514	76	36896	16.659	ug/l	98
18) Methyl Acetate	2.703	43	22869	19.721	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	55694	20.111	ug/l	98
20) Methylene Chloride	2.794	84	17894	20.490	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	16497	20.038	ug/l	95
22) Diisopropyl ether	3.763	45	57440	20.587	ug/l	97
23) Vinyl Acetate	3.721	43	244625	104.280	ug/l	98
24) 1,1-Dichloroethane	3.611	63	31152	20.634	ug/l	99
25) 2-Butanone	4.556	43	71299	109.796	ug/l	99
26) 2,2-Dichloropropane	4.477	77	22058	21.624	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	19935	21.089	ug/l	96
28) Bromochloromethane	4.904	49	11258	17.988	ug/l	97
29) Tetrahydrofuran	5.001	42	47599	107.820	ug/l	99
30) Chloroform	5.092	83	32856	20.946	ug/l	98
31) Cyclohexane	5.470	56	27832	19.088	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	27114	19.605	ug/l	100
36) 1,1-Dichloropropene	5.696	75	22706	19.504	ug/l	96
37) Ethyl Acetate	4.715	43	27130	20.506	ug/l	98
38) Carbon Tetrachloride	5.678	117	24578	20.133	ug/l	98
39) Methylcyclohexane	7.385	83	28511	19.970	ug/l	95
40) Benzene	6.044	78	68228	20.109	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	15022	20.949	ug/l	96
42) 1,2-Dichloroethane	6.092	62	25640	21.445	ug/l	97
43) Isopropyl Acetate	6.342	43	42193	20.727	ug/l	99
44) Trichloroethene	7.129	130	20090	19.720	ug/l	95
45) 1,2-Dichloropropane	7.427	63	17894	20.845	ug/l	98
46) Dibromomethane	7.580	93	12731	21.433	ug/l	98
47) Bromodichloromethane	7.824	83	24628	21.651	ug/l	99
48) Methyl methacrylate	7.696	41	20931	20.752	ug/l	96
49) 1,4-Dioxane	7.665	88	7821	449.983	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	141286	114.535	ug/l	97
52) Toluene	8.720	92	44446	20.691	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	23975	20.294	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	27345	21.770	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	18659	22.944	ug/l	98
56) Ethyl methacrylate	9.116	69	28199	21.875	ug/l	97
57) 1,3-Dichloropropane	9.311	76	31507	22.562	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	61892	93.541	ug/l	98
59) 2-Hexanone	9.433	43	108107	119.817	ug/l	98
60) Dibromochloromethane	9.525	129	19352	23.127	ug/l	99
61) 1,2-Dibromoethane	9.610	107	19308	22.471	ug/l	100
64) Tetrachloroethene	9.275	164	21003	18.344	ug/l	95
65) Chlorobenzene	10.079	112	48470	20.559	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	17689	20.397	ug/l	98
67) Ethyl Benzene	10.195	91	87059	20.864	ug/l	100
68) m/p-Xylenes	10.305	106	67333	41.942	ug/l	97
69) o-Xylene	10.640	106	33447	21.262	ug/l	95
70) Styrene	10.659	104	55667	21.819	ug/l	97
71) Bromoform	10.805	173	13612	21.372	ug/l #	100
73) Isopropylbenzene	10.963	105	86684	19.790	ug/l	99
74) N-amyl acetate	10.841	43	34965	19.978	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	25941	21.823	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	26008m	21.365	ug/l	
77) Bromobenzene	11.201	156	21163	20.326	ug/l	97
78) n-propylbenzene	11.305	91	100250	20.645	ug/l	100
79) 2-Chlorotoluene	11.366	91	61082	20.358	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	73079	20.271	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7181	20.586	ug/l	96
82) 4-Chlorotoluene	11.457	91	68764	20.429	ug/l	97
83) tert-Butylbenzene	11.713	119	70660	20.565	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	72903	20.049	ug/l	96
85) sec-Butylbenzene	11.890	105	90397	20.755	ug/l	99
86) p-Isopropyltoluene	12.012	119	77025	20.875	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	39538	20.723	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	39698	20.632	ug/l	99
89) n-Butylbenzene	12.335	91	63794	21.132	ug/l	99
90) Hexachloroethane	12.542	117	11612	21.774	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	38699	21.022	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5736	19.622	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	23873	20.548	ug/l	98
94) Hexachlorobutadiene	13.725	225	10166	20.687	ug/l	98
95) Naphthalene	13.780	128	82747	20.333	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	24098	20.484	ug/l	98

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

