

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033122\
 Data File : VX027840.D
 Acq On : 31 Mar 2022 12:10
 Operator : JC/MD
 Sample : VX0331WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0331WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/01/2022
 Supervised By : Mahesh Dadoda 04/01/2022

Quant Time: Apr 01 04:06:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	75451	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	126672	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	109215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	49541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	48073	49.380	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.760%		
35) Dibromofluoromethane	5.391	113	41202	50.392	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.780%		
50) Toluene-d8	8.653	98	141679	49.249	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.500%		
62) 4-Bromofluorobenzene	11.085	95	56368	46.107	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.220%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	13244	19.371	ug/l	98
3) Chloromethane	1.294	50	10620	17.578	ug/l	98
4) Vinyl Chloride	1.374	62	11568	18.670	ug/l	96
5) Bromomethane	1.599	94	7158	25.620	ug/l	96
6) Chloroethane	1.685	64	7653	18.323	ug/l	93
7) Trichlorofluoromethane	1.886	101	20436	18.801	ug/l	99
8) Diethyl Ether	2.136	74	7306	18.726	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.325	101	12617	17.858	ug/l	96
10) Methyl Iodide	2.453	142	14257	17.377	ug/l	90
11) Tert butyl alcohol	2.965	59	19867	106.240	ug/l	99
12) 1,1-Dichloroethene	2.319	96	11859	18.295	ug/l	98
13) Acrolein	2.239	56	11684	83.423	ug/l	100
14) Allyl chloride	2.666	41	21349	17.939	ug/l	# 91
15) Acrylonitrile	3.069	53	47427	108.011	ug/l	99
16) Acetone	2.380	43	42113	97.745	ug/l	92
17) Carbon Disulfide	2.514	76	20134	15.184	ug/l	96
18) Methyl Acetate	2.709	43	23518	22.143	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	49071	19.869	ug/l	99
20) Methylene Chloride	2.788	84	14346	18.512	ug/l	89
21) trans-1,2-Dichloroethene	3.099	96	12495	17.759	ug/l	96
22) Diisopropyl ether	3.764	45	48546	20.354	ug/l	# 75
23) Vinyl Acetate	3.727	43	203752	98.878	ug/l	# 91
24) 1,1-Dichloroethane	3.611	63	25986	19.366	ug/l	98
25) 2-Butanone	4.562	43	66730	106.441	ug/l	94
26) 2,2-Dichloropropane	4.483	77	13557	12.650	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	16050	18.918	ug/l	97
28) Bromochloromethane	4.904	49	11880	20.584	ug/l	89
29) Tetrahydrofuran	5.013	42	43639	108.365	ug/l	# 85
30) Chloroform	5.105	83	27741	18.598	ug/l	98
31) Cyclohexane	5.477	56	19373	18.002	ug/l	87
32) 1,1,1-Trichloroethane	5.391	97	23911	18.532	ug/l	98
36) 1,1-Dichloropropene	5.696	75	18423	17.890	ug/l	98
37) Ethyl Acetate	4.721	43	25700	20.131	ug/l	95
38) Carbon Tetrachloride	5.684	117	21936	19.280	ug/l	95
39) Methylcyclohexane	7.385	83	18661	15.399	ug/l	95
40) Benzene	6.044	78	56047	17.959	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	13570	19.984	ug/l	90
42) 1,2-Dichloroethane	6.092	62	23597	18.923	ug/l	96
43) Isopropyl Acetate	6.348	43	34696	16.968	ug/l	94
44) Trichloroethene	7.129	130	14880	17.545	ug/l	99
45) 1,2-Dichloropropane	7.434	63	13927	16.611	ug/l	94
46) Dibromomethane	7.586	93	10895	17.267	ug/l	94
47) Bromodichloromethane	7.830	83	20504	16.316	ug/l	96
48) Methyl methacrylate	7.696	41	16624	15.502	ug/l	88
49) 1,4-Dioxane	7.665	88	8241	389.291	ug/l	95
51) 4-Methyl-2-Pentanone	8.580	43	127825	90.112	ug/l	91
52) Toluene	8.720	92	36049	18.338	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	20274	16.097	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	21823	16.455	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	15702	18.009	ug/l	95
56) Ethyl methacrylate	9.122	69	25270	18.300	ug/l #	75
57) 1,3-Dichloropropane	9.311	76	26773	18.247	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	64795	93.986	ug/l	100
59) 2-Hexanone	9.433	43	107646	98.556	ug/l	82
60) Dibromochloromethane	9.525	129	16118	17.829	ug/l	96
61) 1,2-Dibromoethane	9.610	107	16361	17.959	ug/l	100
64) Tetrachloroethene	9.275	164	14257	19.253	ug/l	89
65) Chlorobenzene	10.079	112	38151	17.739	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	15010	18.598	ug/l	99
67) Ethyl Benzene	10.195	91	70370	18.031	ug/l	98
68) m/p-Xylenes	10.305	106	50577	35.235	ug/l	86
69) o-Xylene	10.646	106	25804	18.405	ug/l	90
70) Styrene	10.659	104	42893	18.000	ug/l #	92
71) Bromoform	10.805	173	10870	18.369	ug/l #	97
73) Isopropylbenzene	10.963	105	69303	18.788	ug/l	98
74) N-amyl acetate	10.848	43	30869	18.579	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	24967	19.933	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	23307m	20.055	ug/l	
77) Bromobenzene	11.201	156	16126	19.176	ug/l	84
78) n-propylbenzene	11.305	91	78333	17.775	ug/l	97
79) 2-Chlorotoluene	11.366	91	51180	18.481	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	58816	18.376	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	5626	17.033	ug/l #	70
82) 4-Chlorotoluene	11.457	91	58274	18.336	ug/l	97
83) tert-Butylbenzene	11.719	119	56265	18.179	ug/l	87
84) 1,2,4-Trimethylbenzene	11.756	105	58747	18.408	ug/l	96
85) sec-Butylbenzene	11.890	105	70022	18.333	ug/l	97
86) p-Isopropyltoluene	12.012	119	56548	17.799	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	29190	17.633	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	30262	17.745	ug/l	94
89) n-Butylbenzene	12.335	91	49312	17.262	ug/l	94
90) Hexachloroethane	12.542	117	8731	17.113	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	29947	18.314	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5964	19.779	ug/l	74
93) 1,2,4-Trichlorobenzene	13.591	180	17189	17.189	ug/l	96
94) Hexachlorobutadiene	13.725	225	7899	18.400	ug/l	90
95) Naphthalene	13.780	128	65002	18.617	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	18148	18.525	ug/l	93

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

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