

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030422\
 Data File : VX027297.D
 Acq On : 04 Mar 2022 13:30
 Operator : JC/MD
 Sample : VX0304WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/07/2022
 Supervised By : Mahesh Dadoda 03/07/2022

Quant Time: Mar 05 00:43:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 13:06:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	66807	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	104562	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	93058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	40214	50.120	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.240%			
35) Dibromofluoromethane	5.391	113	33971	52.341	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.680%			
50) Toluene-d8	8.653	98	120047	49.467	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.940%			
62) 4-Bromofluorobenzene	11.079	95	46070	49.456	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	10974	16.525	ug/l	98
3) Chloromethane	1.295	50	9578	15.429	ug/l	99
4) Vinyl Chloride	1.380	62	9628	15.571	ug/l	99
5) Bromomethane	1.605	94	5847	21.085	ug/l	95
6) Chloroethane	1.691	64	6237	16.427	ug/l	99
7) Trichlorofluoromethane	1.892	101	18007	18.725	ug/l	99
8) Diethyl Ether	2.136	74	5738	17.142	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.337	101	12496	18.652	ug/l	96
10) Methyl Iodide	2.459	142	11319	12.582	ug/l	95
11) Tert butyl alcohol	2.965	59	12806	82.031	ug/l	97
12) 1,1-Dichloroethene	2.325	96	11765	18.089	ug/l	88
13) Acrolein	2.239	56	12249	84.889	ug/l	99
14) Allyl chloride	2.666	41	19159	16.731	ug/l	97
15) Acrylonitrile	3.069	53	36376	90.807	ug/l	98
16) Acetone	2.380	43	32797	93.099	ug/l	94
17) Carbon Disulfide	2.514	76	27003	15.967	ug/l	99
18) Methyl Acetate	2.709	43	16078	17.682	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	41749	18.707	ug/l	98
20) Methylene Chloride	2.794	84	13283	18.192	ug/l	89
21) trans-1,2-Dichloroethene	3.099	96	12739	18.366	ug/l	91
22) Diisopropyl ether	3.764	45	39889	17.868	ug/l	95
23) Vinyl Acetate	3.727	43	170669	90.534	ug/l	95
24) 1,1-Dichloroethane	3.611	63	22897	18.144	ug/l	98
25) 2-Butanone	4.556	43	48821	87.021	ug/l	97
26) 2,2-Dichloropropane	4.483	77	17827	19.472	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	15277	18.992	ug/l	93
28) Bromochloromethane	4.910	49	9065	17.756	ug/l	87
29) Tetrahydrofuran	5.007	42	31806	84.706	ug/l	93
30) Chloroform	5.099	83	24798	18.919	ug/l	98
31) Cyclohexane	5.483	56	20416	16.990	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	22047	19.430	ug/l	99
36) 1,1-Dichloropropene	5.702	75	17476	18.450	ug/l	97
37) Ethyl Acetate	4.715	43	19152	18.415	ug/l	98
38) Carbon Tetrachloride	5.678	117	19804	20.046	ug/l	97
39) Methylcyclohexane	7.385	83	21422	18.181	ug/l	93
40) Benzene	6.044	78	52584	18.983	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	10374	18.184	ug/l	94
42) 1,2-Dichloroethane	6.092	62	19358	19.699	ug/l	98
43) Isopropyl Acetate	6.342	43	29336	18.337	ug/l	97
44) Trichloroethene	7.129	130	15762	19.022	ug/l	92
45) 1,2-Dichloropropane	7.434	63	13339	19.709	ug/l	99
46) Dibromomethane	7.586	93	9353	19.240	ug/l	91
47) Bromodichloromethane	7.824	83	18783	19.796	ug/l	98
48) Methyl methacrylate	7.696	41	14355	18.537	ug/l	93
49) 1,4-Dioxane	7.659	88	5975	341.292	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	96107	92.423	ug/l	96
52) Toluene	8.720	92	34601	19.508	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	18064	18.796	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	20410	19.270	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	14055	20.006	ug/l	99
56) Ethyl methacrylate	9.116	69	20814	19.030	ug/l	91
57) 1,3-Dichloropropane	9.311	76	23021	19.701	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	47205	89.537	ug/l	94
59) 2-Hexanone	9.433	43	72522	91.250	ug/l	95
60) Dibromochloromethane	9.519	129	14908	20.456	ug/l	99
61) 1,2-Dibromoethane	9.610	107	14301	19.115	ug/l	97
64) Tetrachloroethene	9.275	164	15190	18.042	ug/l	95
65) Chlorobenzene	10.080	112	36931	19.469	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	14080	20.468	ug/l	99
67) Ethyl Benzene	10.195	91	65362	19.628	ug/l	97
68) m/p-Xylenes	10.299	106	50902	39.761	ug/l	96
69) o-Xylene	10.640	106	25140	19.566	ug/l	94
70) Styrene	10.659	104	41683	19.826	ug/l	98
71) Bromoform	10.799	173	10474	19.767	ug/l #	97
73) Isopropylbenzene	10.964	105	65810	20.097	ug/l	97
74) N-amyl acetate	10.842	43	23512	18.870	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	19742	20.411	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	18668m	20.252	ug/l	
77) Bromobenzene	11.201	156	16590	20.311	ug/l	90
78) n-propylbenzene	11.305	91	73489	19.745	ug/l	97
79) 2-Chlorotoluene	11.366	91	45226	19.829	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	56179	20.402	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	5047	19.415	ug/l	96
82) 4-Chlorotoluene	11.457	91	51773	19.871	ug/l	95
83) tert-Butylbenzene	11.713	119	55489	20.724	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	56209	20.522	ug/l	99
85) sec-Butylbenzene	11.890	105	68350	20.359	ug/l	99
86) p-Isopropyltoluene	12.012	119	57595	20.124	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	30039	19.544	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	30965	19.704	ug/l	99
89) n-Butylbenzene	12.335	91	46110	19.275	ug/l	98
90) Hexachloroethane	12.543	117	8663	19.540	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	30078	20.057	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4495	20.017	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	18667	19.726	ug/l	98
94) Hexachlorobutadiene	13.725	225	7804	19.863	ug/l	100
95) Naphthalene	13.774	128	62477	19.428	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	19010	20.041	ug/l	99

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

