

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070622\
 Data File : VX029947.D
 Acq On : 06 Jul 2022 17:09
 Operator : JC/MD
 Sample : VX0706WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD02

Manual Integrations
 APPROVED

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

Quant Time: Jul 07 04:29:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	202344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	349709	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	307125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	113256	44.218	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.440%		
35) Dibromofluoromethane	5.385	113	103211	47.225	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.460%		
50) Toluene-d8	8.647	98	400178	48.809	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.620%		
62) 4-Bromofluorobenzene	11.079	95	142426	49.143	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	40546	20.548	ug/l	99
3) Chloromethane	1.288	50	41268	18.152	ug/l	96
4) Vinyl Chloride	1.374	62	43236	19.121	ug/l	98
5) Bromomethane	1.605	94	11969	9.607	ug/l	95
6) Chloroethane	1.685	64	26752	18.101	ug/l	92
7) Trichlorofluoromethane	1.886	101	58861	20.278	ug/l	97
8) Diethyl Ether	2.136	74	24584	18.895	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	41237	20.321	ug/l	99
10) Methyl Iodide	2.453	142	14057	6.739	ug/l	96
11) Tert butyl alcohol	2.977	59	62890	93.886	ug/l	98
12) 1,1-Dichloroethene	2.319	96	39832	19.115	ug/l	96
13) Acrolein	2.239	56	13580	38.830	ug/l	99
14) Allyl chloride	2.660	41	71990	18.719	ug/l	98
15) Acrylonitrile	3.062	53	151116	96.634	ug/l	98
16) Acetone	2.386	43	115485	92.161	ug/l	97
17) Carbon Disulfide	2.508	76	89774	17.326	ug/l	97
18) Methyl Acetate	2.709	43	72569	18.785	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	135529	19.264	ug/l	99
20) Methylene Chloride	2.788	84	48312	18.256	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	42878	18.760	ug/l	92
22) Diisopropyl ether	3.763	45	146686	18.875	ug/l	91
23) Vinyl Acetate	3.721	43	634559	94.407	ug/l	98
24) 1,1-Dichloroethane	3.605	63	78998	19.275	ug/l	99
25) 2-Butanone	4.556	43	202266	92.999	ug/l	98
26) 2,2-Dichloropropane	4.477	77	54329	20.196	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	53226	19.724	ug/l	96
28) Bromochloromethane	4.897	49	32977	20.075	ug/l	98
29) Tetrahydrofuran	5.013	42	135252	94.496	ug/l	99
30) Chloroform	5.099	83	79946	19.892	ug/l	95
31) Cyclohexane	5.470	56	67727	18.965	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	61239	19.135	ug/l	100
36) 1,1-Dichloropropene	5.696	75	56828	19.550	ug/l	99
37) Ethyl Acetate	4.714	43	72942	18.348	ug/l	98
38) Carbon Tetrachloride	5.678	117	51040	20.264	ug/l	97
39) Methylcyclohexane	7.379	83	73295	20.855	ug/l	99
40) Benzene	6.044	78	185517	19.738	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	40949	19.376	ug/l	97
42) 1,2-Dichloroethane	6.086	62	56120	19.455	ug/l	99
43) Isopropyl Acetate	6.342	43	112031	18.714	ug/l	99
44) Trichloroethene	7.123	130	49435	19.530	ug/l	99
45) 1,2-Dichloropropane	7.434	63	47783	19.244	ug/l	98
46) Dibromomethane	7.586	93	32796	20.191	ug/l	98
47) Bromodichloromethane	7.824	83	58096	19.955	ug/l	98
48) Methyl methacrylate	7.690	41	54465	19.189	ug/l	99
49) 1,4-Dioxane	7.671	88	27415	407.890	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	385594	97.680	ug/l	99
52) Toluene	8.720	92	115902	20.435	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	59626	19.219	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	70993	20.249	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	48334	19.561	ug/l	95
56) Ethyl methacrylate	9.116	69	74638	19.158	ug/l	99
57) 1,3-Dichloropropane	9.311	76	76995	19.368	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	167924	90.330	ug/l	99
59) 2-Hexanone	9.433	43	298486	97.434	ug/l	100
60) Dibromochloromethane	9.525	129	44584	20.421	ug/l	99
61) 1,2-Dibromoethane	9.610	107	49949	19.781	ug/l	97
64) Tetrachloroethene	9.275	164	43090	23.260	ug/l	96
65) Chlorobenzene	10.079	112	123476	20.028	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	41511	20.152	ug/l	98
67) Ethyl Benzene	10.195	91	217624	20.294	ug/l	98
68) m/p-Xylenes	10.305	106	167835	40.809	ug/l	100
69) o-Xylene	10.646	106	84128	20.195	ug/l	98
70) Styrene	10.659	104	139854	20.310	ug/l	99
71) Bromoform	10.799	173	29408	20.014	ug/l #	100
73) Isopropylbenzene	10.963	105	215690	19.588	ug/l	99
74) N-amyl acetate	10.841	43	97074	17.805	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	78705	18.155	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	70104m	19.244	ug/l	
77) Bromobenzene	11.201	156	51017	19.262	ug/l	97
78) n-propylbenzene	11.305	91	255694	19.688	ug/l	100
79) 2-Chlorotoluene	11.366	91	148230	19.198	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	176724	19.332	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22099	19.265	ug/l	99
82) 4-Chlorotoluene	11.457	91	167086	18.994	ug/l	98
83) tert-Butylbenzene	11.713	119	175343	19.354	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	177968	19.434	ug/l	100
85) sec-Butylbenzene	11.890	105	229659	20.117	ug/l	99
86) p-Isopropyltoluene	12.012	119	183548	20.144	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	99886	19.642	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	99521	19.180	ug/l	98
89) n-Butylbenzene	12.335	91	171025	19.967	ug/l	99
90) Hexachloroethane	12.542	117	27800	18.703	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	98501	19.717	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	16386	18.088	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	61436	20.293	ug/l	99
94) Hexachlorobutadiene	13.725	225	23238	20.750	ug/l	99
95) Naphthalene	13.780	128	244215	19.869	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	63679	20.546	ug/l	99

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

