

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053123\
 Data File : VX035934.D
 Acq On : 31 May 2023 14:24
 Operator : JC/MD
 Sample : VX0531WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/01/2023
 Supervised By : Mahesh Dadoda 06/01/2023

Quant Time: May 31 17:08:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	203589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	358167	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	323235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	155350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	154887	46.850	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.700%		
35) Dibromofluoromethane	5.385	113	116494	48.358	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.720%		
50) Toluene-d8	8.647	98	428773	49.593	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.180%		
62) 4-Bromofluorobenzene	11.079	95	170909	50.076	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	43504	19.558	ug/l	97
3) Chloromethane	1.294	50	49415	19.436	ug/l	98
4) Vinyl Chloride	1.374	62	46241	19.362	ug/l	99
5) Bromomethane	1.618	94	29678	18.868	ug/l	99
6) Chloroethane	1.691	64	28966	20.598	ug/l	100
7) Trichlorofluoromethane	1.886	101	66959	19.925	ug/l	98
8) Diethyl Ether	2.130	74	27370	18.753	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	40780	19.552	ug/l	99
10) Methyl Iodide	2.453	142	46402	18.899	ug/l	96
11) Tert butyl alcohol	3.014	59	59047	100.571	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	39335	19.259	ug/l	96
13) Acrolein	2.239	56	54359	96.119	ug/l	97
14) Allyl chloride	2.666	41	78671	18.737	ug/l	94
15) Acrylonitrile	3.069	53	137821	99.910	ug/l	99
16) Acetone	2.398	43	132585	97.209	ug/l	95
17) Carbon Disulfide	2.514	76	97436	19.038	ug/l	98
18) Methyl Acetate	2.709	43	106109	20.012	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	156543	19.566	ug/l	97
20) Methylene Chloride	2.788	84	49916	18.999	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	44902	19.232	ug/l	100
22) Diisopropyl ether	3.757	45	160188	19.615	ug/l	96
23) Vinyl Acetate	3.721	43	578009	100.739	ug/l	98
24) 1,1-Dichloroethane	3.611	63	87138	19.238	ug/l	98
25) 2-Butanone	4.568	43	200504	102.710	ug/l	98
26) 2,2-Dichloropropane	4.477	77	67897	19.666	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	54700	19.520	ug/l	94
28) Bromochloromethane	4.897	49	46597	19.645	ug/l	92
29) Tetrahydrofuran	5.013	42	130792	103.970	ug/l	99
30) Chloroform	5.093	83	89578	19.200	ug/l	95
31) Cyclohexane	5.471	56	69811	20.168	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	77858	19.748	ug/l	97
36) 1,1-Dichloropropene	5.690	75	63129	19.654	ug/l	98
37) Ethyl Acetate	4.715	43	75688	21.159	ug/l	99
38) Carbon Tetrachloride	5.678	117	62038	19.819	ug/l	97
39) Methylcyclohexane	7.379	83	68790	20.526	ug/l	99
40) Benzene	6.038	78	191135	19.827	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	41885	20.640	ug/l	97
42) 1,2-Dichloroethane	6.080	62	75681	19.824	ug/l	98
43) Isopropyl Acetate	6.342	43	119414	20.302	ug/l	99
44) Trichloroethene	7.123	130	49852	19.935	ug/l	93
45) 1,2-Dichloropropane	7.428	63	50243	19.802	ug/l	100
46) Dibromomethane	7.580	93	34988	19.851	ug/l	96
47) Bromodichloromethane	7.824	83	65712	19.820	ug/l	98
48) Methyl methacrylate	7.690	41	58545	20.297	ug/l	94
49) 1,4-Dioxane	7.726	88	27269	412.779	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	378907	105.535	ug/l	99
52) Toluene	8.720	92	121076	19.977	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	68966	19.678	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	77682	20.072	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	50457	19.982	ug/l	97
56) Ethyl methacrylate	9.116	69	76098	20.157	ug/l	96
57) 1,3-Dichloropropane	9.305	76	86648	19.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	195776	98.971	ug/l	99
59) 2-Hexanone	9.427	43	296424	111.674	ug/l	99
60) Dibromochloromethane	9.519	129	48005	19.584	ug/l	98
61) 1,2-Dibromoethane	9.610	107	52142	20.199	ug/l	98
64) Tetrachloroethene	9.275	164	39536	19.464	ug/l	96
65) Chlorobenzene	10.079	112	129398	19.840	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	46564	20.299	ug/l	100
67) Ethyl Benzene	10.195	91	234209	20.177	ug/l	100
68) m/p-Xylenes	10.299	106	179677	40.801	ug/l	96
69) o-Xylene	10.640	106	89074	20.129	ug/l	96
70) Styrene	10.653	104	147894	20.684	ug/l	98
71) Bromoform	10.799	173	30540	19.223	ug/l #	97
73) Isopropylbenzene	10.963	105	227134	20.120	ug/l	98
74) N-amyl acetate	10.842	43	99957	20.314	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	78174	20.244	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	66862m	19.083	ug/l	
77) Bromobenzene	11.195	156	54801	19.630	ug/l	95
78) n-propylbenzene	11.305	91	260682	20.459	ug/l	97
79) 2-Chlorotoluene	11.366	91	163389	19.690	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	195924	20.585	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	18961	18.228	ug/l	96
82) 4-Chlorotoluene	11.451	91	190646	20.017	ug/l	97
83) tert-Butylbenzene	11.713	119	186105	20.467	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	196205	20.087	ug/l	99
85) sec-Butylbenzene	11.890	105	224191	20.786	ug/l	99
86) p-Isopropyltoluene	12.006	119	190264	20.633	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	102738	20.090	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	103631	19.237	ug/l	100
89) n-Butylbenzene	12.329	91	158893	20.396	ug/l	99
90) Hexachloroethane	12.536	117	28223	19.301	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	102974	20.228	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16563	20.783	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	60036	20.265	ug/l	99
94) Hexachlorobutadiene	13.725	225	22807	20.238	ug/l	96
95) Naphthalene	13.774	128	220230	21.359	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	60075	20.558	ug/l	99

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

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