

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051123\
 Data File : VX035623.D
 Acq On : 11 May 2023 21:20
 Operator : JC/MD
 Sample : VX0511WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2023
 Supervised By : Mahesh Dadoda 05/12/2023

Quant Time: May 12 03:56:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	216871	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	390043	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	343838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158613	41.923	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.840%		
35) Dibromofluoromethane	5.385	113	107380	40.822	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	81.640%		
50) Toluene-d8	8.647	98	396557	40.809	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	81.620%#		
62) 4-Bromofluorobenzene	11.079	95	156003	39.871	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	79.740%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	50442	17.847	ug/l	96
3) Chloromethane	1.294	50	58666	17.104	ug/l	99
4) Vinyl Chloride	1.374	62	52013	17.869	ug/l	98
5) Bromomethane	1.611	94	27245	17.282	ug/l	99
6) Chloroethane	1.691	64	30350	17.187	ug/l	95
7) Trichlorofluoromethane	1.886	101	77912	18.204	ug/l	98
8) Diethyl Ether	2.130	74	29278	17.766	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	44831	17.642	ug/l	95
10) Methyl Iodide	2.453	142	40178	17.678	ug/l	91
11) Tert butyl alcohol	2.983	59	52105	78.061	ug/l	99
12) 1,1-Dichloroethene	2.319	96	43715	18.100	ug/l	87
13) Acrolein	2.239	56	67557	85.274	ug/l	99
14) Allyl chloride	2.666	41	88465	17.098	ug/l	95
15) Acrylonitrile	3.068	53	135184	91.972	ug/l	99
16) Acetone	2.386	43	127994	78.713	ug/l	93
17) Carbon Disulfide	2.514	76	94395	16.195	ug/l	98
18) Methyl Acetate	2.703	43	114008	19.011	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	174246	18.131	ug/l	98
20) Methylene Chloride	2.788	84	53552	18.171	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	47033	17.772	ug/l	93
22) Diisopropyl ether	3.757	45	180737	17.841	ug/l	97
23) Vinyl Acetate	3.721	43	644829	89.960	ug/l	98
24) 1,1-Dichloroethane	3.611	63	96808	17.868	ug/l	99
25) 2-Butanone	4.556	43	197046	87.536	ug/l	96
26) 2,2-Dichloropropane	4.477	77	71569	15.599	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	55905	17.573	ug/l	95
28) Bromochloromethane	4.897	49	57360	23.537	ug/l	96
29) Tetrahydrofuran	5.007	42	128423	90.768	ug/l	98
30) Chloroform	5.093	83	99543	17.930	ug/l	97
31) Cyclohexane	5.477	56	84119	17.598	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	84072	17.404	ug/l	98
36) 1,1-Dichloropropene	5.690	75	70657	17.017	ug/l	99
37) Ethyl Acetate	4.715	43	77919	17.992	ug/l	100
38) Carbon Tetrachloride	5.678	117	66418	16.887	ug/l	97
39) Methylcyclohexane	7.379	83	83189	17.021	ug/l	94
40) Benzene	6.037	78	205594	17.700	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	46257	17.990	ug/l	96
42) 1,2-Dichloroethane	6.086	62	88709	17.754	ug/l	96
43) Isopropyl Acetate	6.336	43	134421	17.800	ug/l	99
44) Trichloroethene	7.123	130	50942	17.297	ug/l	94
45) 1,2-Dichloropropane	7.427	63	54617	17.754	ug/l	98
46) Dibromomethane	7.580	93	36788	17.470	ug/l	95
47) Bromodichloromethane	7.818	83	68806	16.905	ug/l	98
48) Methyl methacrylate	7.690	41	65505	17.576	ug/l	95
49) 1,4-Dioxane	7.696	88	24403	304.882	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	404059	92.874	ug/l	98
52) Toluene	8.720	92	127126	17.338	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	72824	16.469	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	80670	17.027	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	51492	17.880	ug/l	97
56) Ethyl methacrylate	9.116	69	82443	17.678	ug/l	96
57) 1,3-Dichloropropane	9.305	76	91950	17.613	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	193881	81.722	ug/l	100
59) 2-Hexanone	9.427	43	301583	92.046	ug/l	98
60) Dibromochloromethane	9.519	129	45912	16.725	ug/l	99
61) 1,2-Dibromoethane	9.610	107	53259	17.553	ug/l	99
64) Tetrachloroethene	9.275	164	40915	17.675	ug/l	96
65) Chlorobenzene	10.079	112	132417	17.642	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	45203	17.032	ug/l	99
67) Ethyl Benzene	10.195	91	249834	17.699	ug/l	96
68) m/p-Xylenes	10.299	106	184603	35.380	ug/l	94
69) o-Xylene	10.640	106	90981	17.572	ug/l	94
70) Styrene	10.653	104	147714	17.702	ug/l	97
71) Bromoform	10.799	173	26745	15.316	ug/l #	96
73) Isopropylbenzene	10.963	105	241057	17.802	ug/l	98
74) N-amyl acetate	10.842	43	113075	17.910	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	78734	17.924	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	74865m	19.046	ug/l	
77) Bromobenzene	11.195	156	52740	17.160	ug/l	91
78) n-propylbenzene	11.305	91	281264	17.670	ug/l	98
79) 2-Chlorotoluene	11.366	91	174031	17.463	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	204249	17.747	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	19055	15.623	ug/l #	81
82) 4-Chlorotoluene	11.451	91	198840	17.325	ug/l	97
83) tert-Butylbenzene	11.713	119	194249	17.363	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	206381	17.859	ug/l	96
85) sec-Butylbenzene	11.890	105	245845	17.502	ug/l	98
86) p-Isopropyltoluene	12.006	119	203936	17.660	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	98736	16.911	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	102359	17.361	ug/l	98
89) n-Butylbenzene	12.329	91	179937	17.129	ug/l	98
90) Hexachloroethane	12.536	117	28277	16.156	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	100626	17.600	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16314	16.678	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	57220	16.621	ug/l	95
94) Hexachlorobutadiene	13.725	225	21903	16.029	ug/l	99
95) Naphthalene	13.774	128	216158	18.335	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	58638	17.319	ug/l	98

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

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