

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051923\
 Data File : VX035756.D
 Acq On : 19 May 2023 13:36
 Operator : JC/MD
 Sample : VX0519WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0519WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/22/2023
 Supervised By : Mahesh Dadoda 05/22/2023

Quant Time: May 22 05:15:36 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	197704	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	350646	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	314616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	185833	53.880	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.760%			
35) Dibromofluoromethane	5.385	113	124735	52.748	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.500%			
50) Toluene-d8	8.647	98	454505	52.027	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.060%			
62) 4-Bromofluorobenzene	11.079	95	187811	53.394	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.780%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	52580	20.407	ug/l	98
3) Chloromethane	1.294	50	54588	17.458	ug/l	99
4) Vinyl Chloride	1.374	62	53237	20.062	ug/l	98
5) Bromomethane	1.618	94	32456	22.583	ug/l	98
6) Chloroethane	1.691	64	34439	21.393	ug/l	97
7) Trichlorofluoromethane	1.892	101	77535	19.872	ug/l	98
8) Diethyl Ether	2.130	74	31107	20.706	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	46343	20.005	ug/l	95
10) Methyl Iodide	2.453	142	44142	21.305	ug/l	90
11) Tert butyl alcohol	3.093	59	57503m	94.500	ug/l	
12) 1,1-Dichloroethene	2.319	96	41339	18.776	ug/l	88
13) Acrolein	2.246	56	66884	92.610	ug/l	100
14) Allyl chloride	2.666	41	82295	17.447	ug/l	91
15) Acrylonitrile	3.075	53	133820	99.871	ug/l	99
16) Acetone	2.410	43	129008	87.028	ug/l	94
17) Carbon Disulfide	2.514	76	88224	16.603	ug/l	99
18) Methyl Acetate	2.709	43	113745	20.806	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	166091	18.957	ug/l	97
20) Methylene Chloride	2.788	84	50383	18.753	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	44974	18.642	ug/l	92
22) Diisopropyl ether	3.757	45	179882	19.478	ug/l	97
23) Vinyl Acetate	3.721	43	621016	95.037	ug/l	97
24) 1,1-Dichloroethane	3.611	63	94394	19.111	ug/l	98
25) 2-Butanone	4.574	43	195782	95.407	ug/l	100
26) 2,2-Dichloropropane	4.477	77	69794	16.687	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	54515	18.797	ug/l	95
28) Bromochloromethane	4.897	49	51429	23.150	ug/l	92
29) Tetrahydrofuran	5.019	42	125276	97.128	ug/l	99
30) Chloroform	5.093	83	96011	18.970	ug/l	97
31) Cyclohexane	5.464	56	84172	19.316	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	83533	18.969	ug/l	97
36) 1,1-Dichloropropene	5.690	75	72387	19.393	ug/l	96
37) Ethyl Acetate	4.715	43	77184	19.825	ug/l	99
38) Carbon Tetrachloride	5.672	117	66091	18.691	ug/l	97
39) Methylcyclohexane	7.379	83	84271	19.179	ug/l	90
40) Benzene	6.038	78	200125	19.165	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	44054	19.058	ug/l	96
42) 1,2-Dichloroethane	6.086	62	89413	19.905	ug/l	97
43) Isopropyl Acetate	6.336	43	127573	18.791	ug/l	97
44) Trichloroethene	7.123	130	49272	18.609	ug/l	89
45) 1,2-Dichloropropane	7.428	63	52421	18.955	ug/l	98
46) Dibromomethane	7.580	93	36595	19.331	ug/l	92
47) Bromodichloromethane	7.818	83	67248	18.379	ug/l	97
48) Methyl methacrylate	7.690	41	64080	19.126	ug/l	94
49) 1,4-Dioxane	7.738	88	26936m	376.258	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	398896	101.988	ug/l	97
52) Toluene	8.720	92	124799	18.933	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	71000	17.860	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	78900	18.525	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	50804	19.624	ug/l	98
56) Ethyl methacrylate	9.116	69	79678	19.005	ug/l	95
57) 1,3-Dichloropropane	9.305	76	90404	19.263	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	185148	86.809	ug/l	99
59) 2-Hexanone	9.433	43	297869	101.127	ug/l	97
60) Dibromochloromethane	9.519	129	44974	18.224	ug/l	100
61) 1,2-Dibromoethane	9.610	107	52031	19.075	ug/l	99
64) Tetrachloroethene	9.275	164	40250	19.003	ug/l	93
65) Chlorobenzene	10.079	112	129615	18.873	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	44715	18.413	ug/l	99
67) Ethyl Benzene	10.195	91	250245	19.374	ug/l	97
68) m/p-Xylenes	10.299	106	185232	38.797	ug/l	94
69) o-Xylene	10.640	106	91985	19.416	ug/l	96
70) Styrene	10.653	104	148407	19.437	ug/l	98
71) Bromoform	10.799	173	27323	17.101	ug/l #	99
73) Isopropylbenzene	10.963	105	242410	18.932	ug/l	98
74) N-amyl acetate	10.842	43	107044	17.930	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	77581	18.678	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	74011m	19.913	ug/l	
77) Bromobenzene	11.195	156	52125	17.936	ug/l	88
78) n-propylbenzene	11.305	91	289989	19.267	ug/l	96
79) 2-Chlorotoluene	11.366	91	174801	18.550	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	206161	18.944	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	17683	15.333	ug/l #	79
82) 4-Chlorotoluene	11.451	91	205837	18.967	ug/l	96
83) tert-Butylbenzene	11.713	119	197134	18.636	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	207315	18.973	ug/l	97
85) sec-Butylbenzene	11.890	105	252215	18.990	ug/l	96
86) p-Isopropyltoluene	12.006	119	206755	18.935	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	102179	18.508	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	103612	18.586	ug/l	98
89) n-Butylbenzene	12.329	91	187083	18.835	ug/l	97
90) Hexachloroethane	12.536	117	29534	17.845	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	101191	18.717	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15944	17.238	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	60446	18.569	ug/l	98
94) Hexachlorobutadiene	13.725	225	24650	19.078	ug/l	96
95) Naphthalene	13.774	128	212975	19.105	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	60439	18.878	ug/l	99

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

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