

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034425.D
 Acq On : 13 Mar 2023 12:13
 Operator : JC/MD
 Sample : VX0313WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2023
 Supervised By : Mahesh Dadoda 03/15/2023

Quant Time: Mar 14 02:22:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	321998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	528743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	476998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	242025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	211692	45.191	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.380%		
35) Dibromofluoromethane	5.379	113	169936	48.678	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.360%		
50) Toluene-d8	8.647	98	644931	49.488	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.980%		
62) 4-Bromofluorobenzene	11.079	95	247782	47.071	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	58021	19.328	ug/l	99
3) Chloromethane	1.307	50	83749	17.566	ug/l	98
4) Vinyl Chloride	1.374	62	78011	19.086	ug/l	99
5) Bromomethane	1.605	94	49586	24.044	ug/l	99
6) Chloroethane	1.685	64	47278	20.089	ug/l	96
7) Trichlorofluoromethane	1.886	101	120052	19.547	ug/l	99
8) Diethyl Ether	2.130	74	43159	19.250	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	68571	19.158	ug/l	97
10) Methyl Iodide	2.453	142	87965	18.719	ug/l	98
11) Tert butyl alcohol	2.947	59	90236	92.503	ug/l	100
12) 1,1-Dichloroethene	2.319	96	66243	18.792	ug/l	99
13) Acrolein	2.233	56	72276	93.657	ug/l	99
14) Allyl chloride	2.660	41	131358	18.381	ug/l	99
15) Acrylonitrile	3.056	53	205882	97.702	ug/l	99
16) Acetone	2.374	43	212065	96.105	ug/l	99
17) Carbon Disulfide	2.508	76	178115	17.955	ug/l	99
18) Methyl Acetate	2.697	43	138425	19.199	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	239722	18.994	ug/l	99
20) Methylene Chloride	2.788	84	77461	18.088	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	73594	19.659	ug/l	93
22) Diisopropyl ether	3.757	45	266255	19.541	ug/l	96
23) Vinyl Acetate	3.721	43	1024900	98.834	ug/l	98
24) 1,1-Dichloroethane	3.611	63	138802	18.950	ug/l	99
25) 2-Butanone	4.550	43	309297	97.962	ug/l	99
26) 2,2-Dichloropropane	4.471	77	121750	19.123	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	85841	19.048	ug/l	100
28) Bromochloromethane	4.891	49	71654	21.040	ug/l	99
29) Tetrahydrofuran	5.001	42	187180	96.076	ug/l	100
30) Chloroform	5.093	83	138951	19.353	ug/l	97
31) Cyclohexane	5.471	56	129311	19.683	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	122210	19.228	ug/l	100
36) 1,1-Dichloropropene	5.684	75	102441	19.105	ug/l	98
37) Ethyl Acetate	4.709	43	112077	19.133	ug/l	99
38) Carbon Tetrachloride	5.672	117	104770	19.641	ug/l	97
39) Methylcyclohexane	7.379	83	129274	20.146	ug/l	96
40) Benzene	6.031	78	306459	19.537	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	64583	20.118	ug/l	98
42) 1,2-Dichloroethane	6.086	62	111957	19.421	ug/l	99
43) Isopropyl Acetate	6.336	43	195318	19.682	ug/l	99
44) Trichloroethene	7.123	130	78176	19.182	ug/l	95
45) 1,2-Dichloropropane	7.428	63	79061	19.304	ug/l	95
46) Dibromomethane	7.580	93	54431	19.548	ug/l	98
47) Bromodichloromethane	7.818	83	106051	19.679	ug/l	97
48) Methyl methacrylate	7.690	41	93072	19.501	ug/l	100
49) 1,4-Dioxane	7.659	88	40603	405.040	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	588252	102.185	ug/l	99
52) Toluene	8.714	92	193932	19.970	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	121459	20.006	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	130922	19.932	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	77868	20.204	ug/l	98
56) Ethyl methacrylate	9.116	69	125660	19.858	ug/l	99
57) 1,3-Dichloropropane	9.305	76	135401	19.767	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	304524	93.380	ug/l	100
59) 2-Hexanone	9.427	43	456643	102.616	ug/l	100
60) Dibromochloromethane	9.519	129	81207	20.090	ug/l	97
61) 1,2-Dibromoethane	9.610	107	81034	19.484	ug/l	100
64) Tetrachloroethene	9.275	164	64628	20.170	ug/l	97
65) Chlorobenzene	10.080	112	205241	19.611	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	75753	19.874	ug/l	98
67) Ethyl Benzene	10.189	91	374859	20.007	ug/l	98
68) m/p-Xylenes	10.299	106	289578	40.234	ug/l	99
69) o-Xylene	10.640	106	140978	19.519	ug/l	100
70) Styrene	10.653	104	231095	19.831	ug/l	98
71) Bromoform	10.799	173	55934	19.063	ug/l #	98
73) Isopropylbenzene	10.964	105	374019	19.995	ug/l	100
74) N-amyl acetate	10.842	43	180101	20.102	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	125779	20.150	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	102087m	18.370	ug/l	
77) Bromobenzene	11.195	156	88417	19.701	ug/l	96
78) n-propylbenzene	11.305	91	442127	20.466	ug/l	100
79) 2-Chlorotoluene	11.360	91	267380	20.041	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	319282	20.350	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	39140	19.054	ug/l	99
82) 4-Chlorotoluene	11.451	91	310716	20.219	ug/l	100
83) tert-Butylbenzene	11.713	119	317005	20.039	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	319175	19.905	ug/l	100
85) sec-Butylbenzene	11.890	105	398424	20.602	ug/l	100
86) p-Isopropyltoluene	12.006	119	330761	20.350	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	171833	19.541	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	170900	19.221	ug/l	99
89) n-Butylbenzene	12.329	91	300399	20.790	ug/l	99
90) Hexachloroethane	12.536	117	60576	20.141	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	170435	20.056	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	26995	19.035	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	108185	20.358	ug/l	99
94) Hexachlorobutadiene	13.725	225	45278	21.149	ug/l	97
95) Naphthalene	13.774	128	365431	20.507	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	106450	20.492	ug/l	98

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

