

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034426.D
 Acq On : 13 Mar 2023 12:40
 Operator : JC/MD
 Sample : VX0313WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Mar 14 02:23:01 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	5.550	168	287809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	471718	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	426509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	215634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	185840	44.385	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.760%		
35) Dibromofluoromethane	5.385	113	147817	47.461	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.920%		
50) Toluene-d8	8.647	98	551746	47.455	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.920%		
62) 4-Bromofluorobenzene	11.079	95	213264	45.411	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	52219	19.462	ug/l	99
3) Chloromethane	1.307	50	75762	17.795	ug/l	99
4) Vinyl Chloride	1.374	62	67319	18.426	ug/l	99
5) Bromomethane	1.605	94	45305	24.578	ug/l	98
6) Chloroethane	1.685	64	42411	20.162	ug/l	96
7) Trichlorofluoromethane	1.886	101	109997	20.037	ug/l	97
8) Diethyl Ether	2.130	74	39809	19.865	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	62925	19.669	ug/l	98
10) Methyl Iodide	2.453	142	80698	19.213	ug/l	98
11) Tert butyl alcohol	2.953	59	88314	101.287	ug/l	99
12) 1,1-Dichloroethene	2.319	96	60692	19.263	ug/l	96
13) Acrolein	2.233	56	77325	112.102	ug/l	99
14) Allyl chloride	2.660	41	120695	18.895	ug/l	99
15) Acrylonitrile	3.056	53	197985	105.115	ug/l	99
16) Acetone	2.374	43	191725	97.209	ug/l	99
17) Carbon Disulfide	2.508	76	161047	18.163	ug/l	100
18) Methyl Acetate	2.703	43	131390	20.388	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	225673	20.004	ug/l	99
20) Methylene Chloride	2.788	84	72297	18.887	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	66669	19.924	ug/l	98
22) Diisopropyl ether	3.757	45	246096	20.207	ug/l	97
23) Vinyl Acetate	3.721	43	969615	104.610	ug/l	99
24) 1,1-Dichloroethane	3.605	63	128354	19.606	ug/l	99
25) 2-Butanone	4.550	43	289155	102.461	ug/l	99
26) 2,2-Dichloropropane	4.471	77	109241	19.196	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	78440	19.473	ug/l	99
28) Bromochloromethane	4.898	49	63045	20.711	ug/l	98
29) Tetrahydrofuran	5.001	42	182848	105.001	ug/l	99
30) Chloroform	5.093	83	128747	20.062	ug/l	99
31) Cyclohexane	5.465	56	117965	20.089	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	110812	19.505	ug/l	100
36) 1,1-Dichloropropene	5.690	75	93307	19.505	ug/l	98
37) Ethyl Acetate	4.715	43	107490	20.568	ug/l	99
38) Carbon Tetrachloride	5.678	117	94056	19.764	ug/l	99
39) Methylcyclohexane	7.379	83	116764	20.396	ug/l	95
40) Benzene	6.038	78	281420	20.110	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	61169	21.358	ug/l	98
42) 1,2-Dichloroethane	6.080	62	105068	20.429	ug/l	99
43) Isopropyl Acetate	6.336	43	183826	20.764	ug/l	98
44) Trichloroethene	7.123	130	70741	19.456	ug/l	97
45) 1,2-Dichloropropane	7.428	63	75429	20.643	ug/l	100
46) Dibromomethane	7.580	93	50991	20.527	ug/l	98
47) Bromodichloromethane	7.818	83	98758	20.541	ug/l	97
48) Methyl methacrylate	7.690	41	87557	20.563	ug/l	98
49) 1,4-Dioxane	7.659	88	40649	454.519	ug/l	100
51) 4-Methyl-2-Pentanone	8.568	43	560771	109.187	ug/l	99
52) Toluene	8.720	92	175149	20.216	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	110144	20.335	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	119987	20.476	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	72945	21.215	ug/l	96
56) Ethyl methacrylate	9.116	69	117442	20.803	ug/l	100
57) 1,3-Dichloropropane	9.305	76	129130	21.131	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	328859	113.033	ug/l	99
59) 2-Hexanone	9.427	43	427127	107.586	ug/l	100
60) Dibromochloromethane	9.519	129	74829	20.750	ug/l	99
61) 1,2-Dibromoethane	9.610	107	76322	20.570	ug/l	99
64) Tetrachloroethene	9.275	164	58289	20.345	ug/l	99
65) Chlorobenzene	10.080	112	190500	20.357	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	69625	20.428	ug/l	99
67) Ethyl Benzene	10.195	91	341312	20.373	ug/l	98
68) m/p-Xylenes	10.299	106	265346	41.232	ug/l	99
69) o-Xylene	10.640	106	129285	20.019	ug/l	99
70) Styrene	10.653	104	214553	20.591	ug/l	98
71) Bromoform	10.799	173	53315	20.322	ug/l #	99
73) Isopropylbenzene	10.964	105	342996	20.581	ug/l	99
74) N-amyl acetate	10.842	43	168807	21.147	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	117941	21.207	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	94728m	19.132	ug/l	
77) Bromobenzene	11.195	156	80478	20.127	ug/l	99
78) n-propylbenzene	11.305	91	406962	21.144	ug/l	99
79) 2-Chlorotoluene	11.366	91	242443	20.395	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	289316	20.697	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	36041	19.693	ug/l	98
82) 4-Chlorotoluene	11.451	91	278370	20.331	ug/l	98
83) tert-Butylbenzene	11.713	119	287130	20.372	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	291432	20.399	ug/l	99
85) sec-Butylbenzene	11.890	105	360276	20.909	ug/l	99
86) p-Isopropyltoluene	12.006	119	298783	20.632	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	159775	20.394	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	157385	19.867	ug/l	100
89) n-Butylbenzene	12.335	91	268950	20.891	ug/l	99
90) Hexachloroethane	12.536	117	55941	20.877	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	154838	20.451	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25438	20.132	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	98397	20.782	ug/l	100
94) Hexachlorobutadiene	13.725	225	40034	20.988	ug/l	99
95) Naphthalene	13.774	128	334364	21.060	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	98871	21.363	ug/l	98

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

