

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052423\
 Data File : VX035830.D
 Acq On : 24 May 2023 12:52
 Operator : JC/MD
 Sample : VX0524WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2023
 Supervised By : Mahesh Dadoda 05/25/2023

Quant Time: May 25 05:29:41 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	190683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	319956	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	283541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	141105	42.418	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.840%		
35) Dibromofluoromethane	5.385	113	109206	50.611	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.220%		
50) Toluene-d8	8.647	98	393593	49.376	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.760%		
62) 4-Bromofluorobenzene	11.079	95	150840	46.996	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	44253	17.807	ug/l	99
3) Chloromethane	1.294	50	48654	16.133	ug/l	99
4) Vinyl Chloride	1.374	62	47599	18.598	ug/l	98
5) Bromomethane	1.618	94	30101	21.716	ug/l	95
6) Chloroethane	1.691	64	29941	19.284	ug/l	96
7) Trichlorofluoromethane	1.892	101	76776	20.402	ug/l	98
8) Diethyl Ether	2.130	74	29406	20.295	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	46497	20.810	ug/l	97
10) Methyl Iodide	2.453	142	45428	22.733	ug/l	95
11) Tert butyl alcohol	3.081	59	57169m	97.410	ug/l	
12) 1,1-Dichloroethene	2.319	96	42575	20.050	ug/l	96
13) Acrolein	2.245	56	82859	118.954	ug/l	99
14) Allyl chloride	2.666	41	80870	17.776	ug/l	98
15) Acrylonitrile	3.075	53	143640	111.147	ug/l	99
16) Acetone	2.410	43	131947	92.288	ug/l	98
17) Carbon Disulfide	2.514	76	87155	17.006	ug/l	100
18) Methyl Acetate	2.709	43	121144	22.975	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	165508	19.586	ug/l	97
20) Methylene Chloride	2.788	84	55808	21.538	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	46514	19.990	ug/l	98
22) Diisopropyl ether	3.757	45	176017	19.761	ug/l	99
23) Vinyl Acetate	3.721	43	620484	98.452	ug/l	99
24) 1,1-Dichloroethane	3.611	63	91448	19.197	ug/l	99
25) 2-Butanone	4.574	43	212074	107.151	ug/l	99
26) 2,2-Dichloropropane	4.477	77	70918	17.580	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	56157	20.076	ug/l	98
28) Bromochloromethane	4.891	49	39279	18.332	ug/l	99
29) Tetrahydrofuran	5.019	42	136270	109.542	ug/l	98
30) Chloroform	5.086	83	92692	18.989	ug/l	97
31) Cyclohexane	5.464	56	79709	18.966	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	77108	18.155	ug/l	99
36) 1,1-Dichloropropene	5.690	75	67737	19.888	ug/l	99
37) Ethyl Acetate	4.715	43	78290	22.038	ug/l	99
38) Carbon Tetrachloride	5.672	117	59425	18.418	ug/l	99
39) Methylcyclohexane	7.379	83	83211	20.755	ug/l	98
40) Benzene	6.037	78	201801	21.179	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	44708	21.196	ug/l	97
42) 1,2-Dichloroethane	6.086	62	77771	18.974	ug/l	99
43) Isopropyl Acetate	6.336	43	127110	20.519	ug/l	99
44) Trichloroethene	7.123	130	51130	21.163	ug/l	98
45) 1,2-Dichloropropane	7.428	63	54370	21.545	ug/l	99
46) Dibromomethane	7.580	93	36302	21.016	ug/l	98
47) Bromodichloromethane	7.818	83	64303	19.260	ug/l	94
48) Methyl methacrylate	7.690	41	63075	20.632	ug/l	99
49) 1,4-Dioxane	7.751	88	27230	418.196	ug/l #	80
51) 4-Methyl-2-Pentanone	8.574	43	407400	114.154	ug/l	99
52) Toluene	8.720	92	125646	20.890	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	71645	19.751	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	79168	20.371	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	53477	22.637	ug/l	97
56) Ethyl methacrylate	9.116	69	79603	20.808	ug/l	98
57) 1,3-Dichloropropane	9.305	76	91640	21.399	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	195881	100.651	ug/l	100
59) 2-Hexanone	9.427	43	313648	116.698	ug/l	99
60) Dibromochloromethane	9.519	129	46279	20.552	ug/l	99
61) 1,2-Dibromoethane	9.610	107	54400	21.857	ug/l	100
64) Tetrachloroethene	9.269	164	42059	22.033	ug/l	96
65) Chlorobenzene	10.079	112	135018	21.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	44655	20.404	ug/l	97
67) Ethyl Benzene	10.195	91	242501	20.832	ug/l	99
68) m/p-Xylenes	10.299	106	186873	43.431	ug/l	98
69) o-Xylene	10.640	106	91711	21.480	ug/l	100
70) Styrene	10.653	104	149728	21.759	ug/l	98
71) Bromoform	10.799	173	29109	20.215	ug/l #	99
73) Isopropylbenzene	10.963	105	238364	20.329	ug/l	100
74) N-amyl acetate	10.842	43	108292	19.809	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	80434	21.147	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	67662m	19.880	ug/l	
77) Bromobenzene	11.195	156	55523	20.863	ug/l	99
78) n-propylbenzene	11.305	91	283498	20.569	ug/l	100
79) 2-Chlorotoluene	11.366	91	169750	19.671	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	200655	20.135	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	19698	18.652	ug/l	89
82) 4-Chlorotoluene	11.451	91	197597	19.883	ug/l	99
83) tert-Butylbenzene	11.713	119	198126	20.453	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	203215	20.309	ug/l	99
85) sec-Butylbenzene	11.890	105	253132	20.813	ug/l	99
86) p-Isopropyltoluene	12.006	119	209515	20.954	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	108084	21.379	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	108583	21.270	ug/l	99
89) n-Butylbenzene	12.329	91	188807	20.757	ug/l	98
90) Hexachloroethane	12.536	117	29291	19.327	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	109859	22.191	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15498	18.298	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	67174	22.535	ug/l	99
94) Hexachlorobutadiene	13.725	225	25915	21.903	ug/l	98
95) Naphthalene	13.774	128	227414	22.277	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	65585	22.371	ug/l	96

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

