

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050123\
 Data File : VX035432.D
 Acq On : 01 May 2023 11:55
 Operator : JC/MD
 Sample : VX0501WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2023
 Supervised By : Mahesh Dadoda 05/03/2023

Quant Time: May 01 23:55:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	262646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	412840	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	360615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	179953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	155027	48.925	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.840%		
35) Dibromofluoromethane	5.391	113	130119	51.351	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.700%		
50) Toluene-d8	8.647	98	474576	49.649	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.300%		
62) 4-Bromofluorobenzene	11.079	95	182946	50.878	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	49871	17.945	ug/l	98
3) Chloromethane	1.294	50	41271	16.324	ug/l	99
4) Vinyl Chloride	1.374	62	42636	16.814	ug/l	97
5) Bromomethane	1.618	94	26624	15.798	ug/l	90
6) Chloroethane	1.691	64	25460	17.168	ug/l	95
7) Trichlorofluoromethane	1.892	101	72171	18.201	ug/l	98
8) Diethyl Ether	2.136	74	25559	17.678	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	47090	17.780	ug/l	95
10) Methyl Iodide	2.453	142	43999	13.163	ug/l	98
11) Tert butyl alcohol	2.983	59	53151m	92.124	ug/l	
12) 1,1-Dichloroethene	2.319	96	45018	17.648	ug/l	97
13) Acrolein	2.239	56	47854	84.340	ug/l	99
14) Allyl chloride	2.666	41	77590	17.284	ug/l	97
15) Acrylonitrile	3.062	53	128808	89.263	ug/l	99
16) Acetone	2.386	43	125350	91.084	ug/l	100
17) Carbon Disulfide	2.514	76	101338	16.571	ug/l	100
18) Methyl Acetate	2.703	43	97581	18.336	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	161343	18.436	ug/l	100
20) Methylene Chloride	2.788	84	53241	16.872	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	49374	17.821	ug/l	96
22) Diisopropyl ether	3.757	45	159819	17.991	ug/l	97
23) Vinyl Acetate	3.721	43	562986	92.198	ug/l	97
24) 1,1-Dichloroethane	3.611	63	91074	18.201	ug/l	100
25) 2-Butanone	4.562	43	180225	89.722	ug/l	93
26) 2,2-Dichloropropane	4.477	77	72577	18.514	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	58694	18.023	ug/l	94
28) Bromochloromethane	4.891	49	41708	19.559	ug/l	87
29) Tetrahydrofuran	5.007	42	113581	88.206	ug/l	95
30) Chloroform	5.093	83	93877	18.584	ug/l	100
31) Cyclohexane	5.470	56	81113	18.046	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	81961	18.514	ug/l	97
36) 1,1-Dichloropropene	5.690	75	70525	17.825	ug/l	98
37) Ethyl Acetate	4.715	43	67225	18.603	ug/l	96
38) Carbon Tetrachloride	5.678	117	70398	18.743	ug/l	99
39) Methylcyclohexane	7.379	83	83654	17.370	ug/l	100
40) Benzene	6.037	78	202345	17.828	ug/l	99

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41) Methacrylonitrile	4.928	41	36940	17.840	ug/l	94
42) 1,2-Dichloroethane	6.086	62	75039	18.543	ug/l	97
43) Isopropyl Acetate	6.342	43	113084	18.624	ug/l	95
44) Trichloroethene	7.123	130	56655	18.120	ug/l	93
45) 1,2-Dichloropropane	7.434	63	53682	18.760	ug/l	97
46) Dibromomethane	7.580	93	36451	18.550	ug/l	91
47) Bromodichloromethane	7.824	83	67900	18.755	ug/l	98
48) Methyl methacrylate	7.690	41	56659	19.023	ug/l	93
49) 1,4-Dioxane	7.696	88	25723	354.301	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	352315	94.443	ug/l	96
52) Toluene	8.720	92	133052	18.494	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	72346	19.134	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	82169	19.227	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	54244	18.913	ug/l	99
56) Ethyl methacrylate	9.116	69	81647	19.110	ug/l	90
57) 1,3-Dichloropropane	9.305	76	91550	18.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	175021	81.928	ug/l	95
59) 2-Hexanone	9.427	43	263158	93.901	ug/l	93
60) Dibromochloromethane	9.519	129	53834	19.591	ug/l	98
61) 1,2-Dibromoethane	9.610	107	56594	19.141	ug/l	100
64) Tetrachloroethene	9.275	164	52192	18.902	ug/l	97
65) Chlorobenzene	10.079	112	143969	18.453	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	52819	19.452	ug/l	98
67) Ethyl Benzene	10.195	91	255729	18.927	ug/l	97
68) m/p-Xylenes	10.299	106	196203	37.897	ug/l	100
69) o-Xylene	10.640	106	97838	19.271	ug/l	97
70) Styrene	10.652	104	160876	19.544	ug/l	98
71) Bromoform	10.799	173	36777	19.472	ug/l #	99
73) Isopropylbenzene	10.963	105	255866	19.451	ug/l	100
74) N-amyl acetate	10.841	43	96671	19.555	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	78841	19.310	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	63967m	17.820	ug/l	
77) Bromobenzene	11.201	156	63594	19.448	ug/l	91
78) n-propylbenzene	11.305	91	286760	18.981	ug/l	100
79) 2-Chlorotoluene	11.366	91	175585	18.599	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	214538	19.342	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	19654	17.733	ug/l	96
82) 4-Chlorotoluene	11.451	91	201453	18.999	ug/l	97
83) tert-Butylbenzene	11.713	119	218015	19.590	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	217842	19.547	ug/l	99
85) sec-Butylbenzene	11.890	105	257674	18.876	ug/l	100
86) p-Isopropyltoluene	12.006	119	216902	18.682	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	118702	19.102	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	118490	18.186	ug/l	100
89) n-Butylbenzene	12.335	91	176690	18.028	ug/l	98
90) Hexachloroethane	12.536	117	31843	17.917	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	116423	18.732	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15987	19.527	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	72887	18.657	ug/l	97
94) Hexachlorobutadiene	13.725	225	30527	17.805	ug/l	96
95) Naphthalene	13.774	128	248042	20.624	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	74300	18.893	ug/l	96

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

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