

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111423\
 Data File : VX038801.D
 Acq On : 14 Nov 2023 13:17
 Operator : JC/MD
 Sample : VX1114WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2023
 Supervised By : Mahesh Dadoda 11/15/2023

Quant Time: Nov 14 18:27:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 14 09:15:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	120600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	211276	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81530	47.519	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.040%		
35) Dibromofluoromethane	5.385	113	69979	48.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.420%		
50) Toluene-d8	8.647	98	267614	49.776	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.560%		
62) 4-Bromofluorobenzene	11.079	95	111956	49.805	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26176	19.191	ug/l	96
3) Chloromethane	1.294	50	25244	17.820	ug/l	98
4) Vinyl Chloride	1.374	62	22575	18.191	ug/l	99
5) Bromomethane	1.605	94	16546	18.558	ug/l	97
6) Chloroethane	1.685	64	13565	18.116	ug/l	98
7) Trichlorofluoromethane	1.886	101	34229	18.500	ug/l	99
8) Diethyl Ether	2.130	74	11862	17.125	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	25715	19.114	ug/l	96
10) Methyl Iodide	2.453	142	33563	19.243	ug/l	89
11) Tert butyl alcohol	2.953	59	35360	80.654	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	25700	18.579	ug/l	85
13) Acrolein	2.233	56	30311	104.022	ug/l	98
14) Allyl chloride	2.666	41	46222	18.637	ug/l	90
15) Acrylonitrile	3.062	53	90838	95.090	ug/l	97
16) Acetone	2.373	43	86601	94.195	ug/l	92
17) Carbon Disulfide	2.514	76	67252	17.914	ug/l	100
18) Methyl Acetate	2.703	43	78436	18.382	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	85078	19.098	ug/l	99
20) Methylene Chloride	2.788	84	29012	16.872	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	28481	19.059	ug/l	90
22) Diisopropyl ether	3.757	45	85089	18.859	ug/l	91
23) Vinyl Acetate	3.721	43	301572	98.400	ug/l	97
24) 1,1-Dichloroethane	3.611	63	48007	18.557	ug/l	97
25) 2-Butanone	4.550	43	129428	94.732	ug/l	95
26) 2,2-Dichloropropane	4.477	77	37271	19.331	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	31731	18.574	ug/l	91
28) Bromochloromethane	4.897	49	23029	19.679	ug/l	83
29) Tetrahydrofuran	5.001	42	84055	95.869	ug/l	95
30) Chloroform	5.093	83	49887	18.330	ug/l	96
31) Cyclohexane	5.470	56	45160	19.326	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	41777	18.633	ug/l	97
36) 1,1-Dichloropropene	5.690	75	37997	18.620	ug/l	97
37) Ethyl Acetate	4.708	43	45629	19.501	ug/l #	95
38) Carbon Tetrachloride	5.678	117	35766	18.960	ug/l	96
39) Methylcyclohexane	7.379	83	47599	18.873	ug/l	98
40) Benzene	6.037	78	113228	19.108	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	25176	20.196	ug/l	93
42) 1,2-Dichloroethane	6.092	62	37965	18.788	ug/l	97
43) Isopropyl Acetate	6.336	43	68175	19.341	ug/l	95
44) Trichloroethene	7.123	130	30925	19.183	ug/l	95
45) 1,2-Dichloropropane	7.427	63	28529	19.420	ug/l	96
46) Dibromomethane	7.580	93	19977	19.149	ug/l	94
47) Bromodichloromethane	7.818	83	35578	18.271	ug/l	97
48) Methyl methacrylate	7.690	41	34111	19.773	ug/l	87
49) 1,4-Dioxane	7.659	88	13532	385.830	ug/l #	96
51) 4-Methyl-2-Pentanone	8.574	43	238794	100.257	ug/l	97
52) Toluene	8.720	92	71814	19.617	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	39522	19.385	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	44655	19.679	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	29484	19.232	ug/l	96
56) Ethyl methacrylate	9.116	69	47129	19.784	ug/l	91
57) 1,3-Dichloropropane	9.305	76	48302	19.320	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	118922	103.671	ug/l	98
59) 2-Hexanone	9.427	43	192605	100.347	ug/l	96
60) Dibromochloromethane	9.519	129	27786	18.851	ug/l	98
61) 1,2-Dibromoethane	9.610	107	31625	19.165	ug/l	99
64) Tetrachloroethene	9.275	164	24555	19.528	ug/l	95
65) Chlorobenzene	10.079	112	77755	19.318	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	26441	19.213	ug/l	99
67) Ethyl Benzene	10.195	91	138696	19.382	ug/l	99
68) m/p-Xylenes	10.299	106	107923	39.549	ug/l	100
69) o-Xylene	10.640	106	52276	19.741	ug/l	99
70) Styrene	10.652	104	88639	20.008	ug/l	97
71) Bromoform	10.799	173	18812	17.638	ug/l #	100
73) Isopropylbenzene	10.963	105	136894	19.507	ug/l	99
74) N-amyl acetate	10.841	43	59113	20.284	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	47108	18.550	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	40890m	18.978	ug/l	
77) Bromobenzene	11.195	156	32626	19.534	ug/l	96
78) n-propylbenzene	11.305	91	163379	19.464	ug/l	99
79) 2-Chlorotoluene	11.360	91	98754	19.187	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	119288	19.777	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	13023	17.368	ug/l	91
82) 4-Chlorotoluene	11.451	91	116040	19.584	ug/l	99
83) tert-Butylbenzene	11.713	119	114228	19.548	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	119556	19.742	ug/l	99
85) sec-Butylbenzene	11.890	105	146592	19.365	ug/l	100
86) p-Isopropyltoluene	12.006	119	123359	19.987	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	63868	18.997	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	65122	19.118	ug/l	98
89) n-Butylbenzene	12.329	91	115271	20.049	ug/l	98
90) Hexachloroethane	12.536	117	18502	18.774	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	61428	19.333	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	11372	18.773	ug/l	81
93) 1,2,4-Trichlorobenzene	13.585	180	40251	19.673	ug/l	98
94) Hexachlorobutadiene	13.725	225	14342	18.397	ug/l	96
95) Naphthalene	13.774	128	150310	20.458	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	40282	20.008	ug/l	98

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

