

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111423\
 Data File : VX038802.D
 Acq On : 14 Nov 2023 13:40
 Operator : JC/MD
 Sample : VX1114WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Nov 14 18:28:15 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	5.550	168	116728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	202857	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79670	47.975	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.960%		
35) Dibromofluoromethane	5.385	113	67954	48.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.520%		
50) Toluene-d8	8.647	98	257007	49.787	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.580%		
62) 4-Bromofluorobenzene	11.079	95	108872	50.443	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	26148	19.807	ug/l	96
3) Chloromethane	1.295	50	23863	17.404	ug/l	96
4) Vinyl Chloride	1.374	62	22267	18.538	ug/l	99
5) Bromomethane	1.605	94	16210	18.893	ug/l	97
6) Chloroethane	1.691	64	13222	18.243	ug/l	99
7) Trichlorofluoromethane	1.892	101	33884	18.921	ug/l	97
8) Diethyl Ether	2.136	74	12054	17.979	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	24620	18.907	ug/l	95
10) Methyl Iodide	2.453	142	32876	19.475	ug/l #	88
11) Tert butyl alcohol	2.953	59	38463	90.642	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	24918	18.611	ug/l	81
13) Acrolein	2.233	56	29174	103.441	ug/l	100
14) Allyl chloride	2.666	41	45979	19.153	ug/l	89
15) Acrylonitrile	3.063	53	92435	99.971	ug/l	98
16) Acetone	2.374	43	85679	96.284	ug/l	91
17) Carbon Disulfide	2.514	76	65700	18.081	ug/l	99
18) Methyl Acetate	2.703	43	81150	19.649	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	85209	19.762	ug/l	99
20) Methylene Chloride	2.788	84	29361	17.642	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	27234	18.829	ug/l	89
22) Diisopropyl ether	3.758	45	84831	19.426	ug/l	95
23) Vinyl Acetate	3.721	43	302415	101.948	ug/l	97
24) 1,1-Dichloroethane	3.611	63	47092	18.807	ug/l	98
25) 2-Butanone	4.550	43	128698	97.322	ug/l	93
26) 2,2-Dichloropropane	4.471	77	35341	18.938	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	31236	18.890	ug/l	89
28) Bromochloromethane	4.898	49	23099	20.394	ug/l	88
29) Tetrahydrofuran	5.001	42	84315	99.356	ug/l	94
30) Chloroform	5.093	83	47839	18.161	ug/l	97
31) Cyclohexane	5.471	56	43635	19.293	ug/l #	95
32) 1,1,1-Trichloroethane	5.385	97	40068	18.464	ug/l	97
36) 1,1-Dichloropropene	5.690	75	36904	18.835	ug/l	96
37) Ethyl Acetate	4.709	43	46267	20.594	ug/l	95
38) Carbon Tetrachloride	5.678	117	33280	18.375	ug/l	93
39) Methylcyclohexane	7.379	83	46364	19.146	ug/l	98
40) Benzene	6.038	78	108542	19.077	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	23906	19.973	ug/l	93
42) 1,2-Dichloroethane	6.086	62	36929	19.034	ug/l	93
43) Isopropyl Acetate	6.336	43	69077	20.411	ug/l	94
44) Trichloroethene	7.129	130	29995	19.379	ug/l	99
45) 1,2-Dichloropropane	7.428	63	27949	19.815	ug/l	97
46) Dibromomethane	7.580	93	19860	19.827	ug/l	94
47) Bromodichloromethane	7.824	83	35391	18.929	ug/l	99
48) Methyl methacrylate	7.690	41	34418	20.779	ug/l	88
49) 1,4-Dioxane	7.659	88	13304	395.072	ug/l #	99
51) 4-Methyl-2-Pentanone	8.574	43	239590	104.765	ug/l	98
52) Toluene	8.720	92	68566	19.507	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	39686	20.274	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	43221	19.838	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	28731	19.518	ug/l	100
56) Ethyl methacrylate	9.116	69	46380	20.278	ug/l	91
57) 1,3-Dichloropropane	9.305	76	46399	19.329	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	117808	106.962	ug/l	97
59) 2-Hexanone	9.427	43	192503	104.456	ug/l	94
60) Dibromochloromethane	9.519	129	28238	19.953	ug/l	100
61) 1,2-Dibromoethane	9.610	107	31193	19.687	ug/l	97
64) Tetrachloroethene	9.275	164	24095	19.773	ug/l	97
65) Chlorobenzene	10.080	112	74855	19.191	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	25944	19.453	ug/l	98
67) Ethyl Benzene	10.195	91	133635	19.270	ug/l	100
68) m/p-Xylenes	10.299	106	105113	39.747	ug/l	99
69) o-Xylene	10.640	106	50539	19.694	ug/l	100
70) Styrene	10.653	104	85481	19.910	ug/l	98
71) Bromoform	10.799	173	19901	19.254	ug/l #	99
73) Isopropylbenzene	10.964	105	131971	19.656	ug/l	97
74) N-amyl acetate	10.842	43	57230	20.526	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.214	83	47222	19.436	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	39979m	19.394	ug/l	
77) Bromobenzene	11.195	156	32079	20.075	ug/l	96
78) n-propylbenzene	11.305	91	158812	19.776	ug/l	99
79) 2-Chlorotoluene	11.366	91	95192	19.332	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	115580	20.029	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	13414	18.698	ug/l	89
82) 4-Chlorotoluene	11.451	91	111244	19.624	ug/l	97
83) tert-Butylbenzene	11.713	119	110722	19.806	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	113992	19.675	ug/l	96
85) sec-Butylbenzene	11.890	105	143691	19.840	ug/l	99
86) p-Isopropyltoluene	12.006	119	120089	20.338	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	62511	19.435	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	62468	19.168	ug/l	99
89) n-Butylbenzene	12.335	91	109924	19.984	ug/l	98
90) Hexachloroethane	12.536	117	17790	18.868	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	59338	19.519	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	11600	20.015	ug/l	81
93) 1,2,4-Trichlorobenzene	13.585	180	39332	20.094	ug/l	98
94) Hexachlorobutadiene	13.725	225	14414	19.326	ug/l	99
95) Naphthalene	13.774	128	145959	20.764	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	38185	19.824	ug/l	99

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

