

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038897.D
 Acq On : 18 Nov 2023 00:26
 Operator : JC/MD
 Sample : VX1117WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/18/2023
 Supervised By : Mahesh Dadoda 11/20/2023

Quant Time: Nov 18 01:37:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	130957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	247466	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	109178	51.739	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.480%			
35) Dibromofluoromethane	5.385	113	87736	49.090	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.180%			
50) Toluene-d8	8.647	98	330617	48.349	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.700%			
62) 4-Bromofluorobenzene	11.079	95	129123	47.171	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	31005	20.291	ug/l	98
3) Chloromethane	1.300	50	35500	17.800	ug/l	98
4) Vinyl Chloride	1.374	62	35982	18.730	ug/l	99
5) Bromomethane	1.605	94	23190	29.195	ug/l	96
6) Chloroethane	1.685	64	22828	20.822	ug/l	98
7) Trichlorofluoromethane	1.886	101	49284	20.216	ug/l	98
8) Diethyl Ether	2.136	74	20352	19.167	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	29069	17.980	ug/l	99
10) Methyl Iodide	2.453	142	36232	18.413	ug/l	91
11) Tert butyl alcohol	2.953	59	68230	116.254	ug/l #	95
12) 1,1-Dichloroethene	2.319	96	29997	18.378	ug/l	87
13) Acrolein	2.233	56	31202	100.487	ug/l	98
14) Allyl chloride	2.666	41	60138	18.402	ug/l	93
15) Acrylonitrile	3.062	53	124575	100.453	ug/l	97
16) Acetone	2.380	43	107674	95.853	ug/l	91
17) Carbon Disulfide	2.508	76	84232	16.660	ug/l	99
18) Methyl Acetate	2.703	43	113384	21.250	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	112154	19.536	ug/l	96
20) Methylene Chloride	2.788	84	36412	17.982	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	33154	18.409	ug/l	94
22) Diisopropyl ether	3.763	45	115480	19.262	ug/l	88
23) Vinyl Acetate	3.721	43	404858	93.767	ug/l	99
24) 1,1-Dichloroethane	3.611	63	63471	18.932	ug/l	97
25) 2-Butanone	4.556	43	178770	98.138	ug/l	97
26) 2,2-Dichloropropane	4.477	77	45986	15.813	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	38475	18.328	ug/l	95
28) Bromochloromethane	4.897	49	30769	19.116	ug/l	99
29) Tetrahydrofuran	5.007	42	118782	102.697	ug/l	98
30) Chloroform	5.092	83	63362	19.355	ug/l	100
31) Cyclohexane	5.470	56	54774	18.180	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	55277	19.495	ug/l	98
36) 1,1-Dichloropropene	5.690	75	46156	18.019	ug/l	97
37) Ethyl Acetate	4.714	43	63929	19.156	ug/l	97
38) Carbon Tetrachloride	5.684	117	45453	19.199	ug/l	96
39) Methylcyclohexane	7.379	83	56042	16.773	ug/l	95
40) Benzene	6.037	78	139294	18.385	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	34137	19.722	ug/l	91
42) 1,2-Dichloroethane	6.086	62	50769	20.225	ug/l	97
43) Isopropyl Acetate	6.342	43	101372	19.007	ug/l	98
44) Trichloroethene	7.129	130	34908	18.929	ug/l	99
45) 1,2-Dichloropropane	7.427	63	37929	18.603	ug/l	97
46) Dibromomethane	7.580	93	26040	19.152	ug/l	98
47) Bromodichloromethane	7.824	83	50817	18.831	ug/l	96
48) Methyl methacrylate	7.696	41	47675	18.423	ug/l	93
49) 1,4-Dioxane	7.659	88	23009	459.594	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	341955	100.327	ug/l	99
52) Toluene	8.720	92	87497	18.610	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	56810	17.715	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	60146	18.157	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	37821	19.279	ug/l	97
56) Ethyl methacrylate	9.116	69	63335	19.082	ug/l	93
57) 1,3-Dichloropropane	9.311	76	62293	19.200	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	153422	99.225	ug/l	96
59) 2-Hexanone	9.427	43	270663	99.074	ug/l	97
60) Dibromochloromethane	9.518	129	37054	18.577	ug/l	96
61) 1,2-Dibromoethane	9.610	107	38927	18.910	ug/l	99
64) Tetrachloroethene	9.275	164	27632	19.110	ug/l	95
65) Chlorobenzene	10.079	112	92017	18.363	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	33559	18.618	ug/l	98
67) Ethyl Benzene	10.195	91	172814	18.771	ug/l	99
68) m/p-Xylenes	10.299	106	129055	37.057	ug/l	100
69) o-Xylene	10.640	106	63371	18.390	ug/l	98
70) Styrene	10.652	104	107149	18.411	ug/l	98
71) Bromoform	10.799	173	28077	18.685	ug/l #	99
73) Isopropylbenzene	10.963	105	164172	18.277	ug/l	98
74) N-amyl acetate	10.841	43	86392	18.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	64545	18.408	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	52259m	18.168	ug/l	
77) Bromobenzene	11.195	156	37674	18.666	ug/l	99
78) n-propylbenzene	11.305	91	201711	18.244	ug/l	98
79) 2-Chlorotoluene	11.366	91	117157	17.855	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	142479	18.865	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	21012	16.203	ug/l #	82
82) 4-Chlorotoluene	11.457	91	137719	18.203	ug/l	100
83) tert-Butylbenzene	11.713	119	137174	18.442	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	141314	18.486	ug/l	100
85) sec-Butylbenzene	11.890	105	177867	18.281	ug/l	99
86) p-Isopropyltoluene	12.006	119	142644	18.263	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	71348	18.052	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	74244	18.354	ug/l	98
89) n-Butylbenzene	12.335	91	136966	17.381	ug/l	97
90) Hexachloroethane	12.536	117	27984	17.942	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	69905	18.648	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	16563	19.280	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	46021	18.320	ug/l	96
94) Hexachlorobutadiene	13.725	225	15835	17.800	ug/l	97
95) Naphthalene	13.774	128	172678	18.457	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	45147	18.959	ug/l	99

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

