

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081123\
 Data File : VX036932.D
 Acq On : 11 Aug 2023 11:40
 Operator : JC/MD
 Sample : VX0811WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2023
 Supervised By : Mahesh Dadoda 08/15/2023

Quant Time: Aug 11 22:55:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	138731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	232569	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96437	46.980	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.960%		
35) Dibromofluoromethane	5.385	113	79045	49.448	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.900%		
50) Toluene-d8	8.647	98	258011	45.514	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.020%#		
62) 4-Bromofluorobenzene	11.079	95	105721	49.431	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	34040	18.574	ug/l	97
3) Chloromethane	1.300	50	27689	16.611	ug/l	99
4) Vinyl Chloride	1.373	62	31253	18.415	ug/l	99
5) Bromomethane	1.599	94	18306	18.067	ug/l	97
6) Chloroethane	1.684	64	20171	24.447	ug/l	98
7) Trichlorofluoromethane	1.886	101	56249	21.462	ug/l	100
8) Diethyl Ether	2.136	74	20715	20.430	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.331	101	31449	19.973	ug/l	97
10) Methyl Iodide	2.453	142	34986	21.392	ug/l	95
11) Tert butyl alcohol	2.959	59	44818	92.223	ug/l #	93
12) 1,1-Dichloroethene	2.318	96	28995	18.665	ug/l	88
13) Acrolein	2.239	56	30057	108.375	ug/l	100
14) Allyl chloride	2.666	41	48347	15.805	ug/l #	95
15) Acrylonitrile	3.062	53	89404	91.480	ug/l	99
16) Acetone	2.379	43	82270	96.583	ug/l	92
17) Carbon Disulfide	2.513	76	70285	16.393	ug/l	99
18) Methyl Acetate	2.702	43	63225	17.644	ug/l #	90
19) Methyl tert-butyl Ether	3.117	73	113641	19.467	ug/l	98
20) Methylene Chloride	2.788	84	34064	17.982	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	32602	18.778	ug/l	90
22) Diisopropyl ether	3.763	45	99017	17.048	ug/l #	88
23) Vinyl Acetate	3.721	43	387722	87.026	ug/l #	93
24) 1,1-Dichloroethane	3.611	63	59432	18.251	ug/l	97
25) 2-Butanone	4.556	43	124954	90.415	ug/l #	89
26) 2,2-Dichloropropane	4.477	77	56793	18.509	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	39048	18.936	ug/l	93
28) Bromochloromethane	4.897	49	29588	18.787	ug/l #	82
29) Tetrahydrofuran	5.001	42	77938	87.472	ug/l #	87
30) Chloroform	5.092	83	65551	19.676	ug/l	100
31) Cyclohexane	5.470	56	48161	16.945	ug/l #	87
32) 1,1,1-Trichloroethane	5.385	97	59027	19.336	ug/l	98
36) 1,1-Dichloropropene	5.696	75	46542	19.534	ug/l	98
37) Ethyl Acetate	4.714	43	47687	17.683	ug/l #	95
38) Carbon Tetrachloride	5.678	117	50842	20.071	ug/l	96
39) Methylcyclohexane	7.378	83	51130	17.258	ug/l	92
40) Benzene	6.037	78	133644	19.279	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	26440	18.331	ug/l	91
42) 1,2-Dichloroethane	6.086	62	53401	21.070	ug/l	97
43) Isopropyl Acetate	6.342	43	81304	17.514	ug/l #	94
44) Trichloroethene	7.122	130	36822	20.321	ug/l	98
45) 1,2-Dichloropropane	7.427	63	34674	18.734	ug/l	96
46) Dibromomethane	7.580	93	26242	20.259	ug/l	95
47) Bromodichloromethane	7.817	83	51947	19.537	ug/l	99
48) Methyl methacrylate	7.695	41	38550	17.857	ug/l #	89
49) 1,4-Dioxane	7.659	88	17987	412.428	ug/l #	90
51) 4-Methyl-2-Pentanone	8.573	43	244186	95.054	ug/l	94
52) Toluene	8.720	92	86417	19.895	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	54447	18.118	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	59236	18.680	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	37000	20.264	ug/l	97
56) Ethyl methacrylate	9.116	69	56376	18.962	ug/l	93
57) 1,3-Dichloropropane	9.311	76	62072	20.411	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	138244	94.367	ug/l	95
59) 2-Hexanone	9.427	43	184796	96.926	ug/l	93
60) Dibromochloromethane	9.518	129	39528	19.697	ug/l	99
61) 1,2-Dibromoethane	9.610	107	39074	20.649	ug/l	100
64) Tetrachloroethene	9.274	164	33332	21.048	ug/l	98
65) Chlorobenzene	10.079	112	93127	19.899	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	35633	19.699	ug/l	98
67) Ethyl Benzene	10.195	91	164656	19.259	ug/l	98
68) m/p-Xylenes	10.299	106	128409	40.254	ug/l	99
69) o-Xylene	10.640	106	63653	19.991	ug/l	99
70) Styrene	10.652	104	103248	19.653	ug/l	98
71) Bromoform	10.799	173	27552	18.816	ug/l #	99
73) Isopropylbenzene	10.963	105	165902	19.131	ug/l	100
74) N-amyl acetate	10.841	43	66203	16.371	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	55136	18.825	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	46296m	18.784	ug/l	
77) Bromobenzene	11.195	156	38707	19.600	ug/l	95
78) n-propylbenzene	11.305	91	186468	18.593	ug/l	100
79) 2-Chlorotoluene	11.366	91	114495	18.840	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	139431	19.219	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	16363	15.048	ug/l	92
82) 4-Chlorotoluene	11.451	91	133480	19.277	ug/l	100
83) tert-Butylbenzene	11.713	119	130530	18.315	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	137269	18.920	ug/l	98
85) sec-Butylbenzene	11.890	105	159811	17.980	ug/l	99
86) p-Isopropyltoluene	12.006	119	135305	18.501	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	72313	19.770	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	73307	20.195	ug/l	100
89) n-Butylbenzene	12.329	91	111734	17.067	ug/l	99
90) Hexachloroethane	12.536	117	22637	15.268	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	72555	20.556	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	12358	18.157	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	42390	19.493	ug/l	96
94) Hexachlorobutadiene	13.725	225	16672	18.531	ug/l	98
95) Naphthalene	13.774	128	149674	19.751	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	41598	19.408	ug/l	98

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

