

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080923\
 Data File : VX036883.D
 Acq On : 09 Aug 2023 11:18
 Operator : JC/MD
 Sample : VX0809WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/10/2023
 Supervised By : Mahesh Dadoda 08/10/2023

Quant Time: Aug 10 01:13:32 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	5.556	168	138371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	238426	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	107332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98454	48.087	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.180%		
35) Dibromofluoromethane	5.385	113	82759	50.500	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.000%		
50) Toluene-d8	8.647	98	273896	47.129	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.260%		
62) 4-Bromofluorobenzene	11.079	95	110729	50.501	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	36855	20.162	ug/l	97
3) Chloromethane	1.301	50	31675	19.052	ug/l	96
4) Vinyl Chloride	1.374	62	33655	19.882	ug/l	96
5) Bromomethane	1.599	94	19991	19.782	ug/l	98
6) Chloroethane	1.685	64	20754	25.219	ug/l	97
7) Trichlorofluoromethane	1.886	101	58310	22.307	ug/l	97
8) Diethyl Ether	2.136	74	20277	20.050	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	31425	20.010	ug/l	98
10) Methyl Iodide	2.453	142	35536	21.785	ug/l	94
11) Tert butyl alcohol	2.965	59	47835	98.688	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	30917	19.954	ug/l	88
13) Acrolein	2.240	56	29399	106.278	ug/l	100
14) Allyl chloride	2.666	41	52336	17.154	ug/l #	96
15) Acrylonitrile	3.069	53	93478	95.897	ug/l	99
16) Acetone	2.380	43	85199	100.282	ug/l	93
17) Carbon Disulfide	2.514	76	79609	18.616	ug/l	100
18) Methyl Acetate	2.703	43	66481	18.601	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	116706	20.044	ug/l	98
20) Methylene Chloride	2.788	84	38072	20.150	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	34448	19.893	ug/l	91
22) Diisopropyl ether	3.764	45	104814	18.093	ug/l #	90
23) Vinyl Acetate	3.727	43	408339	91.892	ug/l #	94
24) 1,1-Dichloroethane	3.611	63	62229	19.160	ug/l	97
25) 2-Butanone	4.562	43	129817	94.178	ug/l	91
26) 2,2-Dichloropropane	4.477	77	58253	19.034	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	40577	19.728	ug/l	92
28) Bromochloromethane	4.898	49	30692	19.539	ug/l	86
29) Tetrahydrofuran	5.013	42	81243	91.419	ug/l #	88
30) Chloroform	5.093	83	68091	20.491	ug/l	100
31) Cyclohexane	5.471	56	51741	18.252	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	61690	20.261	ug/l	99
36) 1,1-Dichloropropene	5.696	75	48369	19.802	ug/l	98
37) Ethyl Acetate	4.715	43	51078	18.475	ug/l	96
38) Carbon Tetrachloride	5.678	117	53149	20.467	ug/l	99
39) Methylcyclohexane	7.379	83	53758	17.699	ug/l	90
40) Benzene	6.038	78	140573	19.780	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	26361	17.828	ug/l #	89
42) 1,2-Dichloroethane	6.092	62	54450	20.956	ug/l	97
43) Isopropyl Acetate	6.342	43	84612	17.779	ug/l #	95
44) Trichloroethene	7.129	130	38421	20.683	ug/l	100
45) 1,2-Dichloropropane	7.434	63	35849	18.893	ug/l	99
46) Dibromomethane	7.580	93	26870	20.234	ug/l	96
47) Bromodichloromethane	7.824	83	52883	19.401	ug/l	97
48) Methyl methacrylate	7.696	41	39731	17.952	ug/l #	86
49) 1,4-Dioxane	7.659	88	19637	439.200	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	254323	96.568	ug/l	94
52) Toluene	8.720	92	92175	20.700	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	57633	18.707	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	61221	18.832	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	37779	20.183	ug/l	94
56) Ethyl methacrylate	9.116	69	59947	19.667	ug/l	91
57) 1,3-Dichloropropane	9.311	76	63615	20.404	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	140256	93.388	ug/l	95
59) 2-Hexanone	9.427	43	193609	99.054	ug/l	93
60) Dibromochloromethane	9.519	129	40927	19.893	ug/l	100
61) 1,2-Dibromoethane	9.610	107	40202	20.723	ug/l	100
64) Tetrachloroethene	9.275	164	34063	21.382	ug/l	98
65) Chlorobenzene	10.080	112	96806	20.562	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	37659	20.695	ug/l	100
67) Ethyl Benzene	10.195	91	175443	20.399	ug/l	99
68) m/p-Xylenes	10.299	106	136183	42.438	ug/l	98
69) o-Xylene	10.640	106	65963	20.593	ug/l	100
70) Styrene	10.653	104	109390	20.699	ug/l	99
71) Bromoform	10.799	173	28578	19.401	ug/l #	99
73) Isopropylbenzene	10.964	105	171382	19.294	ug/l	97
74) N-amyl acetate	10.842	43	70788	17.089	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.214	83	57857	19.285	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	48894m	19.367	ug/l	
77) Bromobenzene	11.195	156	41290	20.411	ug/l	93
78) n-propylbenzene	11.305	91	193086	18.796	ug/l	100
79) 2-Chlorotoluene	11.366	91	120301	19.326	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	144976	19.510	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	18225	16.362	ug/l	88
82) 4-Chlorotoluene	11.451	91	137802	19.429	ug/l	98
83) tert-Butylbenzene	11.713	119	138654	18.993	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	145583	19.590	ug/l	98
85) sec-Butylbenzene	11.890	105	165810	18.213	ug/l	100
86) p-Isopropyltoluene	12.006	119	138887	18.540	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	75964	20.275	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	75264	20.242	ug/l	99
89) n-Butylbenzene	12.329	91	114488	17.072	ug/l	99
90) Hexachloroethane	12.536	117	24735	16.287	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	75320	20.833	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12932	18.549	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	42515	19.086	ug/l	98
94) Hexachlorobutadiene	13.725	225	16099	17.470	ug/l	98
95) Naphthalene	13.774	128	160613	20.691	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	42706	19.452	ug/l	99

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

