

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080823\
 Data File : VX036855.D
 Acq On : 08 Aug 2023 11:36
 Operator : JC/MD
 Sample : VX0808WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Aug 09 04:11:05 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	146612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	253216	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104784	48.302	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.600%
35) Dibromofluoromethane	5.391	113	86675	49.800	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.600%
50) Toluene-d8	8.647	98	286814	46.470	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.940%
62) 4-Bromofluorobenzene	11.079	95	112238	48.199	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	39386	20.336	ug/l	98
3) Chloromethane	1.301	50	31983	18.156	ug/l	98
4) Vinyl Chloride	1.374	62	35519	19.804	ug/l	99
5) Bromomethane	1.599	94	20346	19.001	ug/l	98
6) Chloroethane	1.685	64	21916	25.134	ug/l	97
7) Trichlorofluoromethane	1.886	101	61806	22.315	ug/l	97
8) Diethyl Ether	2.136	74	21447	20.015	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	34087	20.485	ug/l	97
10) Methyl Iodide	2.453	142	36193	20.941	ug/l	95
11) Tert butyl alcohol	2.965	59	53143	103.476	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	33401	20.345	ug/l	88
13) Acrolein	2.239	56	33353	113.794	ug/l	98
14) Allyl chloride	2.666	41	56631	17.518	ug/l #	96
15) Acrylonitrile	3.068	53	101842	98.605	ug/l	99
16) Acetone	2.380	43	89737	99.686	ug/l	94
17) Carbon Disulfide	2.514	76	86332	19.054	ug/l	99
18) Methyl Acetate	2.703	43	72121	19.045	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	125396	20.326	ug/l	99
20) Methylene Chloride	2.788	84	38026	18.994	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	36882	20.101	ug/l	89
22) Diisopropyl ether	3.764	45	111879	18.227	ug/l #	92
23) Vinyl Acetate	3.727	43	443186	94.128	ug/l #	93
24) 1,1-Dichloroethane	3.611	63	68229	19.826	ug/l	99
25) 2-Butanone	4.562	43	141680	97.007	ug/l	93
26) 2,2-Dichloropropane	4.477	77	62200	19.182	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	43243	19.843	ug/l	93
28) Bromochloromethane	4.897	49	32516	19.537	ug/l	84
29) Tetrahydrofuran	5.007	42	90900	96.536	ug/l	89
30) Chloroform	5.093	83	72624	20.627	ug/l	100
31) Cyclohexane	5.471	56	55902	18.611	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	65913	20.431	ug/l	98
36) 1,1-Dichloropropene	5.696	75	51942	20.023	ug/l	98
37) Ethyl Acetate	4.715	43	56064	19.094	ug/l	96
38) Carbon Tetrachloride	5.678	117	56573	20.513	ug/l	97
39) Methylcyclohexane	7.379	83	57011	17.674	ug/l	93
40) Benzene	6.037	78	150391	19.926	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	4.922	41	29341	18.684	ug/l	#	91
42) 1,2-Dichloroethane	6.092	62	57612	20.878	ug/l		97
43) Isopropyl Acetate	6.342	43	92243	18.251	ug/l	#	95
44) Trichloroethene	7.129	130	41162	20.864	ug/l		93
45) 1,2-Dichloropropane	7.434	63	38509	19.110	ug/l		96
46) Dibromomethane	7.586	93	29037	20.589	ug/l		96
47) Bromodichloromethane	7.824	83	56260	19.434	ug/l		95
48) Methyl methacrylate	7.696	41	43364	18.449	ug/l		89
49) 1,4-Dioxane	7.659	88	21215	446.779	ug/l	#	88
51) 4-Methyl-2-Pentanone	8.574	43	272208	97.322	ug/l		93
52) Toluene	8.720	92	95948	20.288	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	60884	18.608	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	65787	19.054	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	39807	20.024	ug/l		95
56) Ethyl methacrylate	9.116	69	62619	19.344	ug/l		93
57) 1,3-Dichloropropane	9.311	76	67015	20.240	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	148256	92.949	ug/l		95
59) 2-Hexanone	9.433	43	207723	100.067	ug/l		93
60) Dibromochloromethane	9.519	129	43164	19.755	ug/l		99
61) 1,2-Dibromoethane	9.610	107	43042	20.891	ug/l		100
64) Tetrachloroethene	9.275	164	35946	21.391	ug/l		99
65) Chlorobenzene	10.079	112	102029	20.545	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	39422	20.538	ug/l		99
67) Ethyl Benzene	10.195	91	183112	20.184	ug/l		99
68) m/p-Xylenes	10.299	106	138884	41.031	ug/l		99
69) o-Xylene	10.640	106	69452	20.556	ug/l		100
70) Styrene	10.659	104	112800	20.235	ug/l		98
71) Bromoform	10.799	173	30128	19.390	ug/l	#	100
73) Isopropylbenzene	10.963	105	176489	19.420	ug/l		99
74) N-amyl acetate	10.842	43	75038	17.706	ug/l		95
75) 1,1,2,2-Tetrachloroethane	11.213	83	59668	19.439	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	49602m	19.203	ug/l		
77) Bromobenzene	11.201	156	41713	20.154	ug/l		94
78) n-propylbenzene	11.305	91	199410	18.972	ug/l		100
79) 2-Chlorotoluene	11.366	91	123347	19.367	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	149360	19.645	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	18627	16.345	ug/l		89
82) 4-Chlorotoluene	11.451	91	142561	19.645	ug/l		99
83) tert-Butylbenzene	11.713	119	140675	18.834	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	148636	19.548	ug/l		97
85) sec-Butylbenzene	11.890	105	168129	18.050	ug/l		98
86) p-Isopropyltoluene	12.006	119	140928	18.387	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	77008	20.089	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	78134	20.539	ug/l		100
89) n-Butylbenzene	12.329	91	116797	17.023	ug/l		99
90) Hexachloroethane	12.536	117	25022	16.104	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	76013	20.549	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	13604	19.072	ug/l		83
93) 1,2,4-Trichlorobenzene	13.585	180	43242	18.974	ug/l		99
94) Hexachlorobutadiene	13.725	225	16457	17.455	ug/l		99
95) Naphthalene	13.774	128	166979	21.025	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	44022	19.598	ug/l		98

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

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

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