

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080923\
 Data File : VX036900.D
 Acq On : 09 Aug 2023 20:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Aug 10 01:22:25 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	128255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	223691	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91980	48.469	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.940%
35) Dibromofluoromethane	5.385	113	76567	49.799	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.600%
50) Toluene-d8	8.647	98	255984	46.949	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.900%
62) 4-Bromofluorobenzene	11.079	95	105807	51.435	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.860%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	91111	53.775	ug/l	98
3) Chloromethane	1.301	50	76742	49.799	ug/l	97
4) Vinyl Chloride	1.374	62	85825	54.702	ug/l	97
5) Bromomethane	1.599	94	39840	42.533	ug/l	95
6) Chloroethane	1.679	64	53146	69.672	ug/l	100
7) Trichlorofluoromethane	1.886	101	145655	60.116	ug/l	99
8) Diethyl Ether	2.136	74	51668	55.119	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.325	101	78652	54.031	ug/l	98
10) Methyl Iodide	2.453	142	96534	63.848	ug/l	94
11) Tert butyl alcohol	2.965	59	125437	279.199	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	76970	53.595	ug/l	87
13) Acrolein	2.239	56	73602	287.059	ug/l	99
14) Allyl chloride	2.666	41	126725	44.811	ug/l #	96
15) Acrylonitrile	3.062	53	240238	265.894	ug/l	99
16) Acetone	2.380	43	207043	262.918	ug/l	91
17) Carbon Disulfide	2.508	76	192394	48.540	ug/l	98
18) Methyl Acetate	2.703	43	171170	51.669	ug/l	91
19) Methyl tert-butyl Ether	3.117	73	291706	54.052	ug/l	99
20) Methylene Chloride	2.788	84	89355	51.021	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	86405	53.832	ug/l	90
22) Diisopropyl ether	3.764	45	259323	48.296	ug/l #	86
23) Vinyl Acetate	3.721	43	1017045	246.928	ug/l #	93
24) 1,1-Dichloroethane	3.611	63	158808	52.752	ug/l	97
25) 2-Butanone	4.556	43	333191	260.785	ug/l	91
26) 2,2-Dichloropropane	4.477	77	122420	43.156	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	104090	54.600	ug/l	89
28) Bromochloromethane	4.898	49	67452	46.328	ug/l	86
29) Tetrahydrofuran	5.007	42	213071	258.669	ug/l #	87
30) Chloroform	5.093	83	172779	56.098	ug/l	98
31) Cyclohexane	5.471	56	126691	48.216	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	156096	55.311	ug/l	98
36) 1,1-Dichloropropene	5.696	75	119882	52.312	ug/l	97
37) Ethyl Acetate	4.715	43	130741	50.405	ug/l	95
38) Carbon Tetrachloride	5.678	117	135617	55.663	ug/l	99
39) Methylcyclohexane	7.379	83	129636	45.493	ug/l	91
40) Benzene	6.038	78	356352	53.446	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	71115	51.262	ug/l	91
42) 1,2-Dichloroethane	6.086	62	137186	56.276	ug/l	96
43) Isopropyl Acetate	6.342	43	213034	47.713	ug/l #	94
44) Trichloroethene	7.123	130	96912	55.607	ug/l	98
45) 1,2-Dichloropropane	7.434	63	89410	50.226	ug/l	98
46) Dibromomethane	7.580	93	68014	54.591	ug/l	95
47) Bromodichloromethane	7.824	83	136442	53.353	ug/l	96
48) Methyl methacrylate	7.690	41	102361	49.296	ug/l #	88
49) 1,4-Dioxane	7.659	88	51333	1223.740	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	651116	263.518	ug/l	93
52) Toluene	8.720	92	232701	55.700	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	145784	50.437	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	152134	49.879	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	96302	54.837	ug/l	96
56) Ethyl methacrylate	9.116	69	154258	53.943	ug/l	90
57) 1,3-Dichloropropane	9.305	76	160250	54.786	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	337753	239.704	ug/l	95
59) 2-Hexanone	9.427	43	497006	271.027	ug/l	91
60) Dibromochloromethane	9.519	129	107196	55.536	ug/l	100
61) 1,2-Dibromoethane	9.610	107	104136	57.215	ug/l	100
64) Tetrachloroethene	9.275	164	86622	55.962	ug/l	98
65) Chlorobenzene	10.080	112	248439	54.312	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	97293	55.029	ug/l	99
67) Ethyl Benzene	10.195	91	445187	53.274	ug/l	100
68) m/p-Xylenes	10.299	106	343335	110.118	ug/l	98
69) o-Xylene	10.640	106	170668	54.838	ug/l	98
70) Styrene	10.653	104	283478	55.208	ug/l	98
71) Bromoform	10.799	173	77673	54.271	ug/l #	99
73) Isopropylbenzene	10.964	105	439408	49.762	ug/l	99
74) N-amyl acetate	10.842	43	181901	44.175	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	149904	50.263	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	126123m	50.256	ug/l	
77) Bromobenzene	11.195	156	105966	52.695	ug/l	93
78) n-propylbenzene	11.305	91	500408	49.001	ug/l	99
79) 2-Chlorotoluene	11.366	91	308649	49.877	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	369206	49.980	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	46905	42.362	ug/l	88
82) 4-Chlorotoluene	11.451	91	357342	50.681	ug/l	98
83) tert-Butylbenzene	11.713	119	355453	48.981	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	377990	51.165	ug/l	97
85) sec-Butylbenzene	11.890	105	425940	47.064	ug/l	99
86) p-Isopropyltoluene	12.006	119	362229	48.642	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	198996	53.429	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	199465	53.965	ug/l	99
89) n-Butylbenzene	12.329	91	305270	45.793	ug/l	99
90) Hexachloroethane	12.536	117	65554	43.422	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	196336	54.627	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	36301	52.379	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	114505	51.711	ug/l	98
94) Hexachlorobutadiene	13.725	225	42774	46.692	ug/l	98
95) Naphthalene	13.774	128	432654	56.069	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	117729	53.943	ug/l	100

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

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