

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070221\
 Data File : VX023103.D
 Acq On : 02 Jul 2021 11:52
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

SAM
 7/6/2021 1:51:58 PM

Quant Time: Jul 02 14:12:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:06:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	271923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	433177	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	396866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	187471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	19116	5.396	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	10.800%#
35) Dibromofluoromethane	5.403	113	14760	5.536	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	11.080%#
50) Toluene-d8	8.653	98	54922	5.417	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	10.840%#
62) 4-Bromofluorobenzene	11.085	95	19418	4.900	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	9.800%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	11772	4.439	ug/l	91
3) Chloromethane	1.294	50	12792	5.233	ug/l	98
4) Vinyl Chloride	1.380	62	12777	4.764	ug/l	92
5) Bromomethane	1.599	94	8714	6.398	ug/l	100
6) Chloroethane	1.678	64	9744	5.554	ug/l	92
7) Trichlorofluoromethane	1.886	101	24084	5.129	ug/l	96
8) Diethyl Ether	2.142	74	8870	5.284	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	14166	5.291	ug/l	98
10) Methyl Iodide	2.453	142	13895	4.228	ug/l	96
11) Tert butyl alcohol	2.983	59	21911	29.959	ug/l	98
12) 1,1-Dichloroethene	2.325	96	12705	5.073	ug/l	92
13) Acrolein	2.245	56	13792	27.141	ug/l	97
14) Allyl chloride	2.666	41	21451	4.929	ug/l	89
15) Acrylonitrile	3.074	53	39231	25.474	ug/l	97
16) Acetone	2.392	43	37311	26.767	ug/l	90
17) Carbon Disulfide	2.514	76	25726	5.064	ug/l	97
18) Methyl Acetate	2.715	43	18548	5.191	ug/l	94
19) Methyl tert-butyl Ether	3.123	73	46564	4.991	ug/l	97
20) Methylene Chloride	2.794	84	17046	5.881	ug/l #	83
21) trans-1,2-Dichloroethene	3.093	96	13582	5.132	ug/l	92
22) Diisopropyl ether	3.769	45	45821	5.001	ug/l #	92
23) Vinyl Acetate	3.733	43	187831	23.535	ug/l	98
24) 1,1-Dichloroethane	3.617	63	26525	5.179	ug/l	97
25) 2-Butanone	4.574	43	57043	25.496	ug/l	91
26) 2,2-Dichloropropane	4.483	77	20614	4.729	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	16334	5.071	ug/l	94
28) Bromochloromethane	4.909	49	12334	5.229	ug/l	98
29) Tetrahydrofuran	5.025	42	36470	25.296	ug/l	90
30) Chloroform	5.098	83	27802	5.016	ug/l	87
31) Cyclohexane	5.476	56	23208	5.347	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	23161	4.748	ug/l	97
36) 1,1-Dichloropropene	5.696	75	20092	5.165	ug/l	99
37) Ethyl Acetate	4.727	43	22222	5.133	ug/l	97
38) Carbon Tetrachloride	5.690	117	20126	4.769	ug/l	99
39) Methylcyclohexane	7.391	83	24239	5.350	ug/l	94
40) Benzene	6.043	78	59492	5.196	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	11016	4.606	ug/l	94
42) 1,2-Dichloroethane	6.098	62	24141	5.130	ug/l	95
43) Isopropyl Acetate	6.354	43	35290	4.905	ug/l	93
44) Trichloroethene	7.129	130	16648	5.143	ug/l	93
45) 1,2-Dichloropropane	7.433	63	14933	5.007	ug/l #	85
46) Dibromomethane	7.586	93	10671	4.956	ug/l	95
47) Bromodichloromethane	7.824	83	17863	4.408	ug/l #	94
48) Methyl methacrylate	7.702	41	17321	4.882	ug/l	89
49) 1,4-Dioxane	7.671	88	7747	96.452	ug/l #	93
51) 4-Methyl-2-Pentanone	8.579	43	111465	24.457	ug/l	90
52) Toluene	8.720	92	37871	5.061	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	18669	4.110	ug/l	92
54) cis-1,3-Dichloropropene	8.372	75	20081	4.155	ug/l #	88
55) 1,1,2-Trichloroethane	9.159	97	15743	4.992	ug/l	98
56) Ethyl methacrylate	9.122	69	22814	4.648	ug/l #	86
57) 1,3-Dichloropropane	9.311	76	25567	4.953	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	56942	22.094	ug/l	96
59) 2-Hexanone	9.433	43	84984	24.098	ug/l	88
60) Dibromochloromethane	9.524	129	12460	3.941	ug/l	95
61) 1,2-Dibromoethane	9.616	107	15573	4.652	ug/l	99
64) Tetrachloroethene	9.281	164	17358	5.459	ug/l	96
65) Chlorobenzene	10.085	112	41264	5.193	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	14139	4.698	ug/l	98
67) Ethyl Benzene	10.195	91	72055	5.045	ug/l	96
68) m/p-Xylenes	10.305	106	55023	10.023	ug/l	97
69) o-Xylene	10.646	106	27322	4.971	ug/l	100
70) Styrene	10.658	104	43693	4.724	ug/l	98
71) Bromoform	10.805	173	8265	3.817	ug/l #	95
73) Isopropylbenzene	10.963	105	71600	5.277	ug/l	99
74) N-amyl acetate	10.847	43	28176	4.870	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.219	83	22666	5.452	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	21172m	5.407	ug/l	
77) Bromobenzene	11.201	156	17801	5.345	ug/l	95
78) n-propylbenzene	11.311	91	80051	5.067	ug/l	100
79) 2-Chlorotoluene	11.366	91	50802	5.302	ug/l	100
80) 1,3,5-Trimethylbenzene	11.457	105	59617	5.052	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.024	75	4811	3.735	ug/l #	68
82) 4-Chlorotoluene	11.457	91	55948	5.036	ug/l	99
83) tert-Butylbenzene	11.719	119	56757	5.060	ug/l	91
84) 1,2,4-Trimethylbenzene	11.756	105	59450	5.036	ug/l	99
85) sec-Butylbenzene	11.896	105	73368	5.047	ug/l	99
86) p-Isopropyltoluene	12.012	119	59506	4.858	ug/l	95
87) 1,3-Dichlorobenzene	11.975	146	33053	5.211	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	32587	5.156	ug/l	91
89) n-Butylbenzene	12.335	91	50022	4.628	ug/l	97
90) Hexachloroethane	12.542	117	7865	4.270	ug/l	91
91) 1,2-Dichlorobenzene	12.341	146	32954	5.241	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4097	4.220	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	18532	4.752	ug/l	99
94) Hexachlorobutadiene	13.731	225	8484	5.221	ug/l	99
95) Naphthalene	13.780	128	61830	4.509	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	19172	4.790	ug/l	98

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

