

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102419\
 Data File : VX013186.D
 Acq On : 23 Oct 2019 13:31
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:32:38 PM

Quant Time: Oct 23 15:55:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 15:31:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	90136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	132684	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	132363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88415	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	10347	5.31	ug/l	0.00
Spiked Amount			Recovery	=	10.62%	
35) Dibromofluoromethane	5.49	113	7240	4.68	ug/l	0.00
Spiked Amount			Recovery	=	9.36%	
50) Toluene-d8	8.71	98	27721	4.90	ug/l	0.00
Spiked Amount			Recovery	=	9.80%	
62) 4-Bromofluorobenzene	11.14	95	10605	4.55	ug/l	0.00
Spiked Amount			Recovery	=	9.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	9338	5.039	ug/l	98
3) Chloromethane	1.32	50	8199	5.083	ug/l	93
4) Vinyl Chloride	1.40	62	8415	5.045	ug/l	99
5) Bromomethane	1.63	94	5221	5.857	ug/l	89
6) Chloroethane	1.71	64	5137	4.537	ug/l	97
7) Trichlorofluoromethane	1.92	101	13880	5.113	ug/l	95
8) Diethyl Ether	2.18	74	4360	4.680	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	7928	4.832	ug/l	97
10) Methyl Iodide	2.50	142	6887	3.487	ug/l	96
11) Tert butyl alcohol	3.04	59	13866	29.171	ug/l	95
12) 1,1-Dichloroethene	2.36	96	7724	4.954	ug/l	97
13) Acrolein	2.28	56	5084	18.623	ug/l	93
14) Allyl chloride	2.72	41	12101	4.970	ug/l	98
15) Acrylonitrile	3.13	53	21162	24.498	ug/l	98
16) Acetone	2.44	43	21347	23.611	ug/l	100
17) Carbon Disulfide	2.56	76	19828	4.753	ug/l	99
18) Methyl Acetate	2.76	43	10122	4.911	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	26892	4.978	ug/l	97
20) Methylene Chloride	2.84	84	9399	4.967	ug/l	92
21) trans-1,2-Dichloroethene	3.15	96	8449	4.932	ug/l	81
22) Diisopropyl ether	3.84	45	23556	4.964	ug/l	92
23) Vinyl Acetate	3.80	43	98889	23.945	ug/l	99
24) 1,1-Dichloroethane	3.69	63	14602	5.022	ug/l	99
25) 2-Butanone	4.66	43	30276	24.552	ug/l	97
26) 2,2-Dichloropropane	4.58	77	13167	5.026	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	9555	4.989	ug/l	98
28) Bromochloromethane	5.00	49	3681	4.735	ug/l #	99
29) Tetrahydrofuran	5.12	42	18565	25.093	ug/l	100
30) Chloroform	5.20	83	15977	5.085	ug/l	97
31) Cyclohexane	5.58	56	12971	5.143	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	13340	4.732	ug/l	97
36) 1,1-Dichloropropene	5.79	75	11365	4.780	ug/l	99
37) Ethyl Acetate	4.82	43	10346	4.404	ug/l	100
38) Carbon Tetrachloride	5.78	117	11440	4.718	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	13441	4.768	ug/l	98
40) Benzene	6.14	78	32711	4.839	ug/l	98
41) Methacrylonitrile	5.03	41	5680	4.565	ug/l	94
42) 1,2-Dichloroethane	6.18	62	12515	4.927	ug/l	100
43) Isopropyl Acetate	6.43	43	17850	4.763	ug/l	99
44) Trichloroethene	7.21	130	9203	4.805	ug/l	100
45) 1,2-Dichloropropane	7.51	63	7918	4.719	ug/l	89
46) Dibromomethane	7.65	93	5694	4.808	ug/l	100
47) Bromodichloromethane	7.89	83	10910	4.675	ug/l	95
48) Methyl methacrylate	7.76	41	8954	4.927	ug/l	95
49) 1,4-Dioxane	7.73	88	4952	100.037	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	55768	24.281	ug/l	100
52) Toluene	8.78	92	21371	4.899	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	10388	4.157	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	12161	4.412	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	8932	5.064	ug/l	94
56) Ethyl methacrylate	9.17	69	12015	4.451	ug/l	96
57) 1,3-Dichloropropane	9.37	76	14083	4.827	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	24862	23.466	ug/l	97
59) 2-Hexanone	9.49	43	42726	23.716	ug/l	99
60) Dibromochloromethane	9.58	129	8157	4.506	ug/l	93
61) 1,2-Dibromoethane	9.67	107	9032	4.791	ug/l	97
64) Tetrachloroethene	9.33	164	9094	5.059	ug/l	92
65) Chlorobenzene	10.14	112	23148	5.006	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	7994	4.720	ug/l	97
67) Ethyl Benzene	10.25	91	39988	4.838	ug/l	96
68) m/p-Xylenes	10.35	106	29940	9.583	ug/l	99
69) o-Xylene	10.70	106	14774	4.854	ug/l	99
70) Styrene	10.71	104	23928	4.672	ug/l	99
71) Bromoform	10.85	173	5076	4.149	ug/l #	100
73) Isopropylbenzene	11.01	105	40296	5.086	ug/l	97
74) N-amyl acetate	10.89	43	13820	4.669	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	12214	4.978	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	11774m	5.752	ug/l	
77) Bromobenzene	11.25	156	9769	5.212	ug/l	97
78) n-propylbenzene	11.35	91	41859	4.931	ug/l	98
79) 2-Chlorotoluene	11.42	91	27196	4.979	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	31860	4.806	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	3279	4.096	ug/l	90
82) 4-Chlorotoluene	11.51	91	30285	4.864	ug/l	99
83) tert-Butylbenzene	11.76	119	32640	5.041	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	31750	4.673	ug/l	98
85) sec-Butylbenzene	11.94	105	35577	4.775	ug/l	96
86) p-Isopropyltoluene	12.06	119	33457	4.777	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	17120	4.896	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	16984	4.784	ug/l	95
89) n-Butylbenzene	12.39	91	26147	4.515	ug/l	98
90) Hexachloroethane	12.59	117	5036	4.225	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	16172	4.757	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.99	75	3067	5.175	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	9597	4.447	ug/l	96
94) Hexachlorobutadiene	13.78	225	5166	4.722	ug/l	95
95) Naphthalene	13.83	128	31788	4.712	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	9765	4.506	ug/l	95

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

