

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090519\
 Data File : VX012118.D
 Acq On : 05 Sep 2019 23:39
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:31:44 PM

Quant Time: Sep 06 07:14:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	123817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	227986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	208217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102912	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	87532	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	5.48	113	68129	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	8.71	98	257470	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.14	95	114693	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	57247	50.138	ug/l	99
3) Chloromethane	1.31	50	63553	54.349	ug/l	99
4) Vinyl Chloride	1.39	62	59548	54.127	ug/l	98
5) Bromomethane	1.63	94	33505	61.392	ug/l	98
6) Chloroethane	1.71	64	37441	54.744	ug/l	98
7) Trichlorofluoromethane	1.92	101	92355	54.048	ug/l	98
8) Diethyl Ether	2.17	74	32437	54.931	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	64205	50.729	ug/l #	84
10) Methyl Iodide	2.50	142	52807	42.439	ug/l	91
11) Tert butyl alcohol	3.03	59	39978	243.627	ug/l	95
12) 1,1-Dichloroethene	2.36	96	62093	50.929	ug/l	85
13) Acrolein	2.28	56	7965	185.805	ug/l	97
14) Allyl chloride	2.72	41	118252	53.602	ug/l	95
15) Acrylonitrile	3.13	53	94056	253.478	ug/l	98
16) Acetone	2.43	43	85650	209.746	ug/l	99
17) Carbon Disulfide	2.56	76	192692	54.079	ug/l	100
18) Methyl Acetate	2.76	43	51399	53.431	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	205904	51.874	ug/l	98
20) Methylene Chloride	2.84	84	78899	48.115	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	74008	51.727	ug/l	90
22) Diisopropyl ether	3.84	45	239458	53.252	ug/l	96
23) Vinyl Acetate	3.80	43	761238	261.698	ug/l	97
24) 1,1-Dichloroethane	3.68	63	138269	53.018	ug/l	99
25) 2-Butanone	4.65	43	131517	253.014	ug/l	94
26) 2,2-Dichloropropane	4.57	77	112014	46.522	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	86525	51.592	ug/l	92
28) Bromochloromethane	5.00	49	52034	49.983	ug/l #	78
29) Tetrahydrofuran	5.11	42	82017	261.885	ug/l	98
30) Chloroform	5.19	83	145894	52.135	ug/l	99
31) Cyclohexane	5.57	56	105363	50.304	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	130272	53.451	ug/l	96
36) 1,1-Dichloropropene	5.79	75	104904	52.243	ug/l	96
37) Ethyl Acetate	4.82	43	58876	53.920	ug/l	99
38) Carbon Tetrachloride	5.77	117	111048	52.483	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	113800	48.831	ug/l	93
40) Benzene	6.13	78	300340	52.101	ug/l	99
41) Methacrylonitrile	5.03	41	33588	51.581	ug/l	97
42) 1,2-Dichloroethane	6.18	62	113038	54.491	ug/l	96
43) Isopropyl Acetate	6.43	43	118448	53.349	ug/l	98
44) Trichloroethene	7.20	130	80124	51.533	ug/l	83
45) 1,2-Dichloropropane	7.51	63	76466	51.342	ug/l	96
46) Dibromomethane	7.65	93	45556	52.398	ug/l #	74
47) Bromodichloromethane	7.89	83	113771	51.481	ug/l	99
48) Methyl methacrylate	7.76	41	59369	53.181	ug/l	96
49) 1,4-Dioxane	7.73	88	15289	1004.644	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	305268	270.316	ug/l	96
52) Toluene	8.78	92	195442	52.108	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	113273	49.508	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	126382	49.673	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	62530	50.306	ug/l	98
56) Ethyl methacrylate	9.17	69	91245	51.249	ug/l	94
57) 1,3-Dichloropropane	9.37	76	108333	50.507	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	183855	229.051	ug/l	94
59) 2-Hexanone	9.48	43	212273	257.606	ug/l	97
60) Dibromochloromethane	9.57	129	75153	50.731	ug/l	97
61) 1,2-Dibromoethane	9.67	107	62103	51.706	ug/l	97
64) Tetrachloroethene	9.33	164	75351	58.047	ug/l #	88
65) Chlorobenzene	10.14	112	211976	51.597	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	79209	52.729	ug/l	97
67) Ethyl Benzene	10.25	91	385717	51.508	ug/l	96
68) m/p-Xylenes	10.35	106	282381	102.346	ug/l	90
69) o-Xylene	10.70	106	134833	50.397	ug/l	87
70) Styrene	10.71	104	243053	52.303	ug/l	94
71) Bromoform	10.85	173	42442	51.440	ug/l #	98
73) Isopropylbenzene	11.01	105	373403	49.452	ug/l	98
74) N-amyl acetate	10.89	43	113248	50.726	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	76238	48.431	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	69901m	55.590	ug/l	
77) Bromobenzene	11.25	156	84592	50.092	ug/l	69
78) n-propylbenzene	11.35	91	451837	49.531	ug/l	95
79) 2-Chlorotoluene	11.42	91	278160	50.332	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	331709	50.129	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	22946	43.142	ug/l	93
82) 4-Chlorotoluene	11.51	91	332811	50.525	ug/l	90
83) tert-Butylbenzene	11.76	119	307128	48.697	ug/l	87
84) 1,2,4-Trimethylbenzene	11.80	105	342594	50.375	ug/l	93
85) sec-Butylbenzene	11.94	105	382228	48.793	ug/l	94
86) p-Isopropyltoluene	12.06	119	350805	49.242	ug/l	94
87) 1,3-Dichlorobenzene	12.03	146	165946	49.039	ug/l	94
88) 1,4-Dichlorobenzene	12.09	146	166290	49.146	ug/l	94
89) n-Butylbenzene	12.38	91	337967	48.835	ug/l	95
90) Hexachloroethane	12.59	117	67286	47.302	ug/l	58
91) 1,2-Dichlorobenzene	12.38	146	153373	50.325	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16165	49.073	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	104989	48.400	ug/l	95
94) Hexachlorobutadiene	13.78	225	58465	53.468	ug/l	99
95) Naphthalene	13.83	128	233413	49.718	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	96394	50.510	ug/l	95

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

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