

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012419\
 Data File : VV009266.D
 Acq On : 24 Jan 2019 18:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:58 AM

Quant Time: Jan 24 23:57:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 23:18:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	84719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	146756	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	137441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	70754	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.08	65	50070	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	4.64	113	46086	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
50) Toluene-d8	7.36	98	175265	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
62) 4-Bromofluorobenzene	10.12	95	67790	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	35614	50.296	ug/l	99
3) Chloromethane	1.25	50	46077	47.873	ug/l	98
4) Vinyl Chloride	1.32	62	45421	46.583	ug/l	97
5) Bromomethane	1.53	94	25318	45.892	ug/l	100
6) Chloroethane	1.60	64	23477	45.908	ug/l	99
7) Trichlorofluoromethane	1.76	101	20352	44.183	ug/l	97
8) Diethyl Ether	1.96	74	21529	46.942	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.13	101	37060	45.192	ug/l	99
10) Methyl Iodide	2.26	142	64823	47.982	ug/l	99
11) Tert butyl alcohol	2.66	59	18143	217.220	ug/l	99
12) 1,1-Dichloroethene	2.14	96	38610	45.311	ug/l	99
13) Acrolein	2.05	56	10176	206.411	ug/l	85
14) Allyl chloride	2.42	41	59371	46.647	ug/l	98
15) Acrylonitrile	2.76	53	50119	233.343	ug/l	99
16) Acetone	2.18	43	45605	164.052	ug/l	98
17) Carbon Disulfide	2.32	76	114322	47.788	ug/l	99
18) Methyl Acetate	2.45	43	31530	44.572	ug/l	100
19) Methyl tert-butyl Ether	2.80	73	61895	46.403	ug/l	99
20) Methylene Chloride	2.53	84	43168	45.048	ug/l	98
21) trans-1,2-Dichloroethene	2.78	96	40996	46.461	ug/l	98
22) Diisopropyl ether	3.32	45	140927	46.326	ug/l	98
23) Vinyl Acetate	3.30	43	431134	229.890	ug/l	99
24) 1,1-Dichloroethane	3.22	63	85949	45.748	ug/l	99
25) 2-Butanone	4.01	43	74695	201.738	ug/l	100
26) 2,2-Dichloropropane	3.95	77	42136	44.226	ug/l	99
27) cis-1,2-Dichloroethene	3.95	96	51890	46.375	ug/l	98
28) Bromochloromethane	4.29	49	39690	52.660	ug/l	98
29) Tetrahydrofuran	4.39	42	46090	218.407	ug/l	95
30) Chloroform	4.42	83	87693	46.453	ug/l	97
31) Cyclohexane	4.72	56	72970	42.130	ug/l	99
32) 1,1,1-Trichloroethane	4.65	97	66742	45.473	ug/l	100
36) 1,1-Dichloropropene	4.87	75	64368	43.804	ug/l	99
37) Ethyl Acetate	4.12	43	32728	38.287	ug/l	98
38) Carbon Tetrachloride	4.87	117	62647	43.111	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	76297	41.429	ug/l	97
40) Benzene	5.14	78	193741	44.752	ug/l	99
41) Methacrylonitrile	4.31	41	18728	43.745	ug/l	96
42) 1,2-Dichloroethane	5.17	62	58226	43.254	ug/l	100
43) Isopropyl Acetate	5.32	43	61395	43.130	ug/l	99
44) Trichloroethene	5.96	130	51086	44.217	ug/l	97
45) 1,2-Dichloropropane	6.22	63	48672	45.669	ug/l	98
46) Dibromomethane	6.35	93	26716	44.747	ug/l	97
47) Bromodichloromethane	6.55	83	63659	45.330	ug/l	100
48) Methyl methacrylate	6.42	41	31289	44.310	ug/l	98
49) 1,4-Dioxane	6.41	88	8613	919.343	ug/l	91
51) 4-Methyl-2-Pentanone	7.27	43	161826	216.011	ug/l	98
52) Toluene	7.43	92	123005	44.993	ug/l	98
53) t-1,3-Dichloropropene	7.69	75	63299	44.569	ug/l	100
54) cis-1,3-Dichloropropene	7.07	75	74013	45.935	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	38035	45.687	ug/l	98
56) Ethyl methacrylate	7.83	69	45923	45.657	ug/l	96
57) 1,3-Dichloropropane	8.05	76	67011	45.178	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.94	63	4268	160.361	ug/l	98
59) 2-Hexanone	8.18	43	110293	204.791	ug/l	100
60) Dibromochloromethane	8.29	129	42757	44.930	ug/l	98
61) 1,2-Dibromoethane	8.40	107	37841	45.239	ug/l	99
64) Tetrachloroethene	8.02	164	42935	45.305	ug/l	97
65) Chlorobenzene	8.92	112	134560	43.412	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.02	131	46258	44.696	ug/l	100
67) Ethyl Benzene	9.05	91	234322	44.558	ug/l	99
68) m/p-Xylenes	9.18	106	181022	89.737	ug/l	100
69) o-Xylene	9.59	106	84954	45.066	ug/l	100
70) Styrene	9.60	104	142500	46.419	ug/l	99
71) Bromoform	9.77	173	24551	44.000	ug/l #	99
73) Isopropylbenzene	9.97	105	230993	43.963	ug/l	98
74) N-amyl acetate	9.84	43	53176	43.251	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.29	83	46459	42.999	ug/l	100
76) 1,2,3-Trichloropropane	10.32	75	35624m	42.654	ug/l	
77) Bromobenzene	10.26	156	55064	44.914	ug/l	99
78) n-propylbenzene	10.40	91	273539	44.002	ug/l	99
79) 2-Chlorotoluene	10.47	91	165357	44.133	ug/l	100
80) 1,3,5-Trimethylbenzene	10.58	105	201119	45.505	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.05	75	13227	44.986	ug/l	97
82) 4-Chlorotoluene	10.58	91	196769	44.300	ug/l	100
83) tert-Butylbenzene	10.91	119	186309	43.662	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	203690	44.897	ug/l	100
85) sec-Butylbenzene	11.13	105	240056	43.169	ug/l	100
86) p-Isopropyltoluene	11.29	119	215565	43.927	ug/l	100
87) 1,3-Dichlorobenzene	11.23	146	109613	44.149	ug/l	100
88) 1,4-Dichlorobenzene	11.32	146	111378	43.949	ug/l	99
89) n-Butylbenzene	11.70	91	203130	42.745	ug/l	100
90) Hexachloroethane	11.95	117	38081	43.872	ug/l	100
91) 1,2-Dichlorobenzene	11.69	146	97998	43.995	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	7816	43.329	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	66431	42.556	ug/l	99
94) Hexachlorobutadiene	13.49	225	38315	42.938	ug/l	99
95) Naphthalene	13.55	128	132035	42.223	ug/l	99
96) 1,2,3-Trichlorobenzene	13.80	180	60055	43.615	ug/l	99

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

