

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091418\
 Data File : VD060001.D
 Acq On : 14 Sep 2018 10:30
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/17/2018 5:12:32 PM

Quant Time: Sep 17 10:40:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1649607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2257832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1850411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	984421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	681099	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
35) Dibromofluoromethane	6.31	113	942333	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
50) Toluene-d8	9.45	98	2636464	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
62) 4-Bromofluorobenzene	12.42	95	1007623	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	830614	47.70	ug/l	99
3) Chloromethane	1.74	50	729784	47.45	ug/l	98
4) Vinyl Chloride	1.84	62	618883	50.05	ug/l	99
5) Bromomethane	2.13	94	106058	72.46	ug/l	91
6) Chloroethane	2.24	64	186620	67.51	ug/l	94
7) Trichlorofluoromethane	2.49	101	736091	54.07	ug/l	100
8) Diethyl Ether	2.80	74	154482	53.38	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	454546	52.95	ug/l	97
10) Methyl Iodide	3.23	142	472262	51.94	ug/l	98
11) Tert butyl alcohol	3.95	59	230538	222.10	ug/l	99
12) 1,1-Dichloroethene	3.05	96	364001	53.63	ug/l	100
13) Acrolein	2.96	56	158169	246.06	ug/l	95
14) Allyl chloride	3.51	41	748998	52.33	ug/l	99
15) Acrylonitrile	4.06	53	949619	242.36	ug/l	99
16) Acetone	3.14	43	705764	284.16	ug/l	100
17) Carbon Disulfide	3.30	76	1233682	52.75	ug/l	100
18) Methyl Acetate	3.53	43	237010	46.92	ug/l	96
19) Methyl tert-butyl Ether	4.10	73	1537433	49.02	ug/l	98
20) Methylene Chloride	3.70	84	874462	49.39	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	881501	49.49	ug/l	96
22) Diisopropyl ether	4.83	45	3270147	50.08	ug/l	96
23) Vinyl Acetate	4.78	43	9306926	251.60	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1459037	49.79	ug/l	100
25) 2-Butanone	5.60	43	1580160	235.77	ug/l	100
26) 2,2-Dichloropropane	5.57	77	1140492	50.06	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	918246	49.29	ug/l	99
28) Bromochloromethane	5.90	49	704434	50.01	ug/l	95
29) Tetrahydrofuran	5.93	42	833668	231.94	ug/l	100
30) Chloroform	6.08	83	1494574	50.30	ug/l	99
31) Cyclohexane	6.35	56	1363533	47.73	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	1250327	50.73	ug/l	99
36) 1,1-Dichloropropene	6.50	75	1092589	48.72	ug/l	99
37) Ethyl Acetate	5.68	43	736664	47.76	ug/l	99
38) Carbon Tetrachloride	6.47	117	1054699	50.38	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1286496	50.71	ug/l	99
40) Benzene	6.78	78	2874600	50.29	ug/l	99
41) Methacrylonitrile	5.91	41	389088m	48.17	ug/l	
42) 1,2-Dichloroethane	6.88	62	845259	49.25	ug/l	99
43) Isopropyl Acetate	8.33	43	987899	47.84	ug/l #	99
44) Trichloroethene	7.72	130	877906	49.71	ug/l	100
45) 1,2-Dichloropropane	8.09	63	773601	50.61	ug/l	100
46) Dibromomethane	8.20	93	491127	49.24	ug/l	99
47) Bromodichloromethane	8.47	83	1096381	50.99	ug/l	100
48) Methyl methacrylate	8.23	41	569232	49.49	ug/l	99
49) 1,4-Dioxane	8.22	88	107299	939.31	ug/l	99
51) 4-Methyl-2-Pentanone	9.33	43	3060075	221.48	ug/l	98
52) Toluene	9.54	92	1843752	50.32	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	1001001	49.91	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	1204760	50.28	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	585600	46.03	ug/l	96
56) Ethyl methacrylate	10.02	69	691179	48.98	ug/l	98
57) 1,3-Dichloropropane	10.37	76	924466	49.23	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.92	63	1667853	244.77	ug/l	98
59) 2-Hexanone	10.48	43	2379490	244.20	ug/l	99
60) Dibromochloromethane	10.63	129	759503	49.05	ug/l	100
61) 1,2-Dibromoethane	10.75	107	648563	49.38	ug/l	98
64) Tetrachloroethene	10.24	164	820785	50.27	ug/l	98
65) Chlorobenzene	11.31	112	1997632	50.21	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	684777	51.03	ug/l	98
67) Ethyl Benzene	11.41	91	3265352	51.00	ug/l	99
68) m/p-Xylenes	11.56	106	2442644	103.31	ug/l	99
69) o-Xylene	11.93	106	1195307	51.02	ug/l	98
70) Styrene	11.95	104	1990029	50.52	ug/l	98
71) Bromoform	12.10	173	585704	50.81	ug/l	98
73) Isopropylbenzene	12.27	105	3223364	49.93	ug/l	98
74) N-amyl acetate	12.12	43	1259393	49.25	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	720576	49.20	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	729657	48.53	ug/l	100
77) Bromobenzene	12.54	156	947217	50.93	ug/l	91
78) n-propylbenzene	12.64	91	4121663	50.77	ug/l	98
79) 2-Chlorotoluene	12.69	91	2306972	50.34	ug/l	94
80) 1,3,5-Trimethylbenzene	12.78	105	2578529	52.11	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	219354	48.33	ug/l	97
82) 4-Chlorotoluene	12.80	91	2542333	50.46	ug/l	96
83) tert-Butylbenzene	13.04	119	2857277	49.84	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	2618891	49.59	ug/l	99
85) sec-Butylbenzene	13.22	105	3450563	50.70	ug/l	98
86) p-Isopropyltoluene	13.33	119	2734943	49.69	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	1601027	49.50	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	1545519	47.11	ug/l	97
89) n-Butylbenzene	13.64	91	2714894	53.26	ug/l	98
90) Hexachloroethane	13.86	117	717816	52.65	ug/l	82
91) 1,2-Dichlorobenzene	13.66	146	1332998	51.13	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	98827	44.26	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1152458	50.01	ug/l	98
94) Hexachlorobutadiene	14.87	225	756723	49.64	ug/l	98
95) Naphthalene	14.96	128	1722294	48.39	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	977067	48.11	ug/l	98

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

