

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\
 Data File : VD060240.D
 Acq On : 31 Oct 2018 14:06
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:59:27 AM

Quant Time: Nov 01 00:02:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1607605	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.46	114	2279919	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.28	117	1835197	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	967709	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	642849	52.75	ug/l	0.04
Spiked Amount	50.000		Recovery	=	105.50%	
35) Dibromofluoromethane	6.33	113	883599	51.04	ug/l	0.04
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	9.46	98	2410725	48.83	ug/l	0.03
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.44	95	924388	50.01	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	704633	46.596	ug/l	99
3) Chloromethane	1.77	50	708701	51.973	ug/l	98
4) Vinyl Chloride	1.86	62	630242	56.476	ug/l	99
5) Bromomethane	2.15	94	90388	64.507	ug/l	96
6) Chloroethane	2.26	64	166270	54.600	ug/l	98
7) Trichlorofluoromethane	2.52	101	701915	52.531	ug/l	98
8) Diethyl Ether	2.83	74	172927	62.937	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	503169	60.446	ug/l	99
10) Methyl Iodide	3.25	142	518860	58.777	ug/l	99
11) Tert butyl alcohol	3.98	59	245432	280.829	ug/l	98
12) 1,1-Dichloroethene	3.09	96	396790	60.506	ug/l	89
13) Acrolein	2.99	56	105967	196.692	ug/l	99
14) Allyl chloride	3.55	41	792032	58.152	ug/l	99
15) Acrylonitrile	4.10	53	1030682	284.923	ug/l	99
16) Acetone	3.17	43	736975	333.296	ug/l	100
17) Carbon Disulfide	3.32	76	1138094	51.608	ug/l	99
18) Methyl Acetate	3.57	43	373530	78.596	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	1617997	56.116	ug/l	99
20) Methylene Chloride	3.73	84	899240	51.823	ug/l	97
21) trans-1,2-Dichloroethene	4.11	96	870359	51.388	ug/l	96
22) Diisopropyl ether	4.87	45	3380728	55.580	ug/l	97
23) Vinyl Acetate	4.82	43	9276524	271.318	ug/l	100
24) 1,1-Dichloroethane	4.77	63	1544163	55.990	ug/l	98
25) 2-Butanone	5.63	43	1637118	296.362	ug/l	97
26) 2,2-Dichloropropane	5.60	77	1220359	58.370	ug/l	97
27) cis-1,2-Dichloroethene	5.61	96	982812	54.769	ug/l	97
28) Bromochloromethane	5.93	49	699074	52.162	ug/l	99
29) Tetrahydrofuran	5.96	42	886152	276.176	ug/l	99
30) Chloroform	6.11	83	1558136	55.852	ug/l	98
31) Cyclohexane	6.37	56	1280100	48.488	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	1283456	56.154	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1098965	50.442	ug/l	99
37) Ethyl Acetate	5.70	43	769729	53.227	ug/l	97
38) Carbon Tetrachloride	6.51	117	1062658	53.741	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1226884	49.563	ug/l	97
40) Benzene	6.81	78	2977468	52.239	ug/l	100
41) Methacrylonitrile	5.93	41	303933m	37.184	ug/l	
42) 1,2-Dichloroethane	6.90	62	895261	54.786	ug/l	99
43) Isopropyl Acetate	8.35	43	1069496	56.215	ug/l	98
44) Trichloroethene	7.75	130	907420	51.430	ug/l	98
45) 1,2-Dichloropropane	8.12	63	805371	53.964	ug/l	99
46) Dibromomethane	8.22	93	521765	54.000	ug/l	95
47) Bromodichloromethane	8.50	83	1140532	55.399	ug/l	99
48) Methyl methacrylate	8.25	41	608062	56.110	ug/l	98
49) 1,4-Dioxane	8.23	88	117993	1106.587	ug/l	98
51) 4-Methyl-2-Pentanone	9.35	43	3311818	275.990	ug/l	99
52) Toluene	9.56	92	1838632	50.088	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	1033775	55.495	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	1264936	54.989	ug/l	98
55) 1,1,2-Trichloroethane	10.19	97	646560	53.878	ug/l	99
56) Ethyl methacrylate	10.03	69	729397	55.062	ug/l	96
57) 1,3-Dichloropropane	10.39	76	1009732	55.170	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	1860002	252.854	ug/l	98
59) 2-Hexanone	10.50	43	2474002	286.715	ug/l	99
60) Dibromochloromethane	10.64	129	829665	56.349	ug/l	97
61) 1,2-Dibromoethane	10.76	107	691688	54.247	ug/l	97
64) Tetrachloroethene	10.26	164	802365	49.918	ug/l	98
65) Chlorobenzene	11.32	112	2133050	53.726	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	726838	54.878	ug/l	99
67) Ethyl Benzene	11.43	91	3385699	52.634	ug/l	99
68) m/p-Xylenes	11.57	106	2509077	104.397	ug/l	99
69) o-Xylene	11.94	106	1256022	52.834	ug/l	99
70) Styrene	11.96	104	2150940	54.104	ug/l	99
71) Bromoform	12.12	173	615560	57.395	ug/l	99
73) Isopropylbenzene	12.28	105	3329195	52.148	ug/l	97
74) N-amyl acetate	12.14	43	1278226	54.661	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	738998	53.022	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	772911	55.461	ug/l	99
77) Bromobenzene	12.54	156	935683	50.436	ug/l	95
78) n-propylbenzene	12.64	91	4178372	52.709	ug/l	97
79) 2-Chlorotoluene	12.71	91	2307207	52.440	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	2600535	52.631	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	238145	60.815	ug/l	96
82) 4-Chlorotoluene	12.82	91	2591134	52.069	ug/l	96
83) tert-Butylbenzene	13.06	119	3009796	53.082	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	2677018	51.407	ug/l	97
85) sec-Butylbenzene	13.22	105	3549119	52.939	ug/l	97
86) p-Isopropyltoluene	13.35	119	2894508	52.639	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1720804	53.239	ug/l	97
88) 1,4-Dichlorobenzene	13.40	146	1684925	51.898	ug/l	98
89) n-Butylbenzene	13.65	91	2852410	53.162	ug/l	98
90) Hexachloroethane	13.86	117	760175	59.734	ug/l	84
91) 1,2-Dichlorobenzene	13.67	146	1418674	52.200	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	106316	57.130	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1211414	52.515	ug/l	98
94) Hexachlorobutadiene	14.89	225	806028	52.566	ug/l	99
95) Naphthalene	14.97	128	1856696	54.299	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	1030876	51.372	ug/l	98

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

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