

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030119\
 Data File : VD060912.D
 Acq On : 1 Mar 2019 16:36
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 5:33:06 AM

Quant Time: Mar 02 01:28:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 01 16:47:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	700716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1294657	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1027515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	460703	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	292469	56.15	ug/l	0.00
Spiked Amount			Recovery	=	112.30%	
35) Dibromofluoromethane	6.91	113	517513	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	
50) Toluene-d8	10.40	98	1194205	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	
62) 4-Bromofluorobenzene	13.55	95	476805	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	369751	48.389	ug/l	99
3) Chloromethane	1.76	50	302174	64.326	ug/l	98
4) Vinyl Chloride	1.85	62	285083	65.300	ug/l	98
5) Bromomethane	2.15	94	52459	64.222	ug/l #	93
6) Chloroethane	2.27	64	83524	70.507	ug/l	97
7) Trichlorofluoromethane	2.53	101	366515	51.791	ug/l	94
8) Diethyl Ether	2.87	74	153609	126.223	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	472038	108.469	ug/l	91
10) Methyl Iodide	3.30	142	664874	53.509	ug/l	98
11) Tert butyl alcohol	4.05	59	105954	267.915	ug/l	98
12) 1,1-Dichloroethene	3.12	96	402437	123.786	ug/l	97
13) Acrolein	3.04	56	146521	668.237	ug/l	95
14) Allyl chloride	3.62	41	624183	58.807	ug/l	92
15) Acrylonitrile	4.19	53	394550	319.499	ug/l	98
16) Acetone	3.21	43	491107	310.804	ug/l #	89
17) Carbon Disulfide	3.38	76	1386436	57.718	ug/l	100
18) Methyl Acetate	3.64	43	183033	55.830	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	690959	50.699	ug/l #	90
20) Methylene Chloride	3.81	84	459409	51.753	ug/l #	85
21) trans-1,2-Dichloroethene	4.22	96	425343	59.037	ug/l	96
22) Diisopropyl ether	5.11	45	1393239	66.917	ug/l	93
23) Vinyl Acetate	5.04	43	3531109	299.704	ug/l	98
24) 1,1-Dichloroethane	4.97	63	714292	62.801	ug/l	99
25) 2-Butanone	6.06	43	620807	297.679	ug/l	100
26) 2,2-Dichloropropane	6.02	77	543542	50.340	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	488097	61.694	ug/l	99
28) Bromochloromethane	6.43	49	319466	71.400	ug/l	99
29) Tetrahydrofuran	6.44	42	301974	290.578	ug/l	96
30) Chloroform	6.65	83	692641	51.478	ug/l	100
31) Cyclohexane	6.94	56	660485	70.013	ug/l	88
32) 1,1,1-Trichloroethane	6.87	97	620788	59.265	ug/l	97
36) 1,1-Dichloropropene	7.14	75	561473	41.452	ug/l	94
37) Ethyl Acetate	6.17	43	280243	44.008	ug/l	98
38) Carbon Tetrachloride	7.10	117	645354	51.347	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.85	83	638282	44.329	ug/l #	82
40) Benzene	7.45	78	1402489	41.663	ug/l	99
41) Methacrylonitrile	6.43	41	159823m	46.457	ug/l	
42) 1,2-Dichloroethane	7.56	62	392745	42.898	ug/l	100
43) Isopropyl Acetate	9.23	43	418865	46.436	ug/l	100
44) Trichloroethene	8.53	130	512435	46.681	ug/l	97
45) 1,2-Dichloropropane	8.93	63	378654	48.155	ug/l	97
46) Dibromomethane	9.05	93	250558	44.347	ug/l	90
47) Bromodichloromethane	9.37	83	537705	40.129	ug/l	98
48) Methyl methacrylate	9.11	41	225197	43.364	ug/l	98
49) 1,4-Dioxane	9.07	88	50534	928.892	ug/l #	84
51) 4-Methyl-2-Pentanone	10.29	43	1216985	218.713	ug/l	91
52) Toluene	10.50	92	906397	46.490	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	501321	40.529	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	618819	43.423	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	294525	44.040	ug/l	94
56) Ethyl methacrylate	11.03	69	335023	44.021	ug/l	95
57) 1,3-Dichloropropane	11.40	76	449535	40.814	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	820832	225.111	ug/l	100
59) 2-Hexanone	11.52	43	899650	210.595	ug/l	95
60) Dibromochloromethane	11.68	129	452842	47.122	ug/l	98
61) 1,2-Dibromoethane	11.80	107	361370	47.733	ug/l	96
64) Tetrachloroethene	11.25	164	388813	42.350	ug/l #	91
65) Chlorobenzene	12.39	112	1129292	54.226	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	398491	48.084	ug/l	95
67) Ethyl Benzene	12.52	91	1619521	45.689	ug/l	91
68) m/p-Xylenes	12.66	106	1265992	101.049	ug/l	81
69) o-Xylene	13.04	106	632055	52.382	ug/l	83
70) Styrene	13.07	104	1036153	51.093	ug/l	96
71) Bromoform	13.22	173	265234	40.245	ug/l	99
73) Isopropylbenzene	13.40	105	1719134	63.772	ug/l	97
74) N-amyl acetate	13.26	43	474494	50.928	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	348043	52.422	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	351909	51.335	ug/l	100
77) Bromobenzene	13.67	156	450435	51.917	ug/l	88
78) n-propylbenzene	13.77	91	1952042	54.269	ug/l	96
79) 2-Chlorotoluene	13.83	91	1105835	53.752	ug/l	95
80) 1,3,5-Trimethylbenzene	14.23	105	1284124	57.961	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	109973	50.350	ug/l	99
82) 4-Chlorotoluene	13.94	91	1252968	55.512	ug/l	95
83) tert-Butylbenzene	14.19	119	1571565	61.427	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	1284124	57.961	ug/l	100
85) sec-Butylbenzene	14.37	105	1726803	60.457	ug/l	98
86) p-Isopropyltoluene	14.48	119	1462951	60.992	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	790502	49.818	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	772059	50.379	ug/l	97
89) n-Butylbenzene	14.79	91	1306517	52.577	ug/l	97
90) Hexachloroethane	15.01	117	414676	60.927	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	660065	49.960	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	43187	46.448	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	379686	40.608	ug/l	99
94) Hexachlorobutadiene	16.03	225	262883	46.860	ug/l	99
95) Naphthalene	16.12	128	556217	39.458	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	211133	29.364	ug/l	98

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

