

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061298.D
 Acq On : 25 Mar 2019 12:14
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:28:22 PM

Quant Time: Mar 26 02:26:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 01:57:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	705431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1197362	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	961496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	428009	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	328106	53.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.78%	
35) Dibromofluoromethane	6.94	113	494333	53.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.90%	
50) Toluene-d8	10.41	98	1161770	52.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	13.55	95	445900	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	387892	53.749	ug/l	100
3) Chloromethane	1.77	50	284898	50.614	ug/l	100
4) Vinyl Chloride	1.87	62	282597	53.703	ug/l	100
5) Bromomethane	2.16	94	60012	55.082	ug/l	100
6) Chloroethane	2.28	64	106066	64.043	ug/l	100
7) Trichlorofluoromethane	2.55	101	435947	55.956	ug/l	100
8) Diethyl Ether	2.88	74	118920	51.398	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.17	101	423449	53.467	ug/l	100
10) Methyl Iodide	3.32	142	676248	61.123	ug/l	100
11) Tert butyl alcohol	4.08	59	90399	278.952	ug/l	100
12) 1,1-Dichloroethene	3.15	96	361694	53.081	ug/l	100
13) Acrolein	3.05	56	83581	235.306	ug/l	100
14) Allyl chloride	3.64	41	513068	53.167	ug/l	100
15) Acrylonitrile	4.21	53	316037	277.295	ug/l	100
16) Acetone	3.24	43	455559	312.550	ug/l	100
17) Carbon Disulfide	3.39	76	1237907	54.654	ug/l	100
18) Methyl Acetate	3.65	43	145354	52.807	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	675768	56.280	ug/l	100
20) Methylene Chloride	3.84	84	388398	46.992	ug/l	100
21) trans-1,2-Dichloroethene	4.24	96	428876	56.232	ug/l	100
22) Diisopropyl ether	5.14	45	1146441	56.400	ug/l	100
23) Vinyl Acetate	5.08	43	3077090	283.564	ug/l	100
24) 1,1-Dichloroethane	5.00	63	670004	56.479	ug/l	100
25) 2-Butanone	6.08	43	496106	294.557	ug/l	100
26) 2,2-Dichloropropane	6.04	77	550000	54.665	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	460534	56.153	ug/l	100
28) Bromochloromethane	6.45	49	274674	55.312	ug/l	100
29) Tetrahydrofuran	6.47	42	241669	288.273	ug/l	100
30) Chloroform	6.67	83	699723	55.321	ug/l	100
31) Cyclohexane	6.97	56	552562	57.386	ug/l	100
32) 1,1,1-Trichloroethane	6.88	97	652828	58.289	ug/l	100
36) 1,1-Dichloropropene	7.16	75	512356	52.319	ug/l	100
37) Ethyl Acetate	6.19	43	224551	55.058	ug/l	100
38) Carbon Tetrachloride	7.12	117	592904m	51.225	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	573579	56.506	ug/l	100
40) Benzene	7.46	78	1373247	56.407	ug/l	100
41) Methacrylonitrile	6.46	41	270626	56.903	ug/l	100
42) 1,2-Dichloroethane	7.59	62	412169	54.331	ug/l	100
43) Isopropyl Acetate	9.24	43	329812	55.902	ug/l	100
44) Trichloroethene	8.55	130	484846	55.103	ug/l	100
45) 1,2-Dichloropropane	8.95	63	344598	57.387	ug/l	100
46) Dibromomethane	9.06	93	227127	55.166	ug/l	100
47) Bromodichloromethane	9.38	83	545878	56.578	ug/l	100
48) Methyl methacrylate	9.12	41	157169	49.911	ug/l	100
49) 1,4-Dioxane	9.08	88	39394	1140.194	ug/l	100
51) 4-Methyl-2-Pentanone	10.30	43	950928	270.755	ug/l	100
52) Toluene	10.51	92	753579	50.621	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	457023	54.510	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	569807	55.656	ug/l	100
55) 1,1,2-Trichloroethane	11.19	97	254616	51.517	ug/l	100
56) Ethyl methacrylate	11.04	69	292583	55.477	ug/l	100
57) 1,3-Dichloropropane	11.41	76	423716	56.766	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	738186	269.047	ug/l	100
59) 2-Hexanone	11.54	43	764915	299.869	ug/l	100
60) Dibromochloromethane	11.68	129	438521	56.647	ug/l	100
61) 1,2-Dibromoethane	11.81	107	313259	54.246	ug/l	100
64) Tetrachloroethene	11.26	164	357532	53.979	ug/l	100
65) Chlorobenzene	12.40	112	956500	54.011	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	387154	56.385	ug/l	100
67) Ethyl Benzene	12.53	91	1480927	54.640	ug/l	100
68) m/p-Xylenes	12.67	106	1075743	101.679	ug/l	100
69) o-Xylene	13.05	106	544114	55.452	ug/l	100
70) Styrene	13.07	104	924757	55.530	ug/l	100
71) Bromoform	13.24	173	238787	56.831	ug/l	100
73) Isopropylbenzene	13.41	105	1491783	53.587	ug/l	100
74) N-amyl acetate	13.27	43	401556	55.133	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	308391	57.125	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	286871	53.895	ug/l	100
77) Bromobenzene	13.67	156	440339	56.627	ug/l	100
78) n-propylbenzene	13.77	91	1683415	53.599	ug/l	100
79) 2-Chlorotoluene	13.84	91	939536	51.482	ug/l	100
80) 1,3,5-Trimethylbenzene	14.24	105	1186289	54.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	97698	58.160	ug/l	100
82) 4-Chlorotoluene	13.95	91	1050000	52.522	ug/l	100
83) tert-Butylbenzene	14.19	119	1377531	54.936	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1186289	54.017	ug/l	100
85) sec-Butylbenzene	14.37	105	1494238	53.508	ug/l	100
86) p-Isopropyltoluene	14.49	119	1368174	54.916	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	728690	52.867	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	751104	56.255	ug/l	100
89) n-Butylbenzene	14.79	91	1169770	52.885	ug/l	100
90) Hexachloroethane	15.01	117	374736	56.100	ug/l	100
91) 1,2-Dichlorobenzene	14.81	146	580749	52.804	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	37977	56.296	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	304873	60.021	ug/l	100
94) Hexachlorobutadiene	16.03	225	243686	59.536	ug/l	100
95) Naphthalene	16.12	128	447682	60.414	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	148439	62.569	ug/l	100

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

