

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062295.D
 Acq On : 13 May 2019 10:22
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:50:36 AM

Quant Time: May 14 05:17:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	601958	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	889142	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	775118	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	403862	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	318841	57.00	ug/l	0.04
Spiked Amount	50.000		Recovery	=	114.00%	
35) Dibromofluoromethane	6.94	113	359061	48.67	ug/l	0.05
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	10.43	98	796364	44.77	ug/l	0.03
Spiked Amount	50.000		Recovery	=	89.54%	
62) 4-Bromofluorobenzene	13.57	95	365076	51.11	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	314638	54.651	ug/l	98
3) Chloromethane	1.76	50	185211	44.522	ug/l	92
4) Vinyl Chloride	1.86	62	197166	48.226	ug/l	99
5) Bromomethane	2.16	94	77324	80.716	ug/l	93
6) Chloroethane	2.28	64	108855	63.452	ug/l	95
7) Trichlorofluoromethane	2.55	101	549616	69.148	ug/l	98
8) Diethyl Ether	2.88	74	62629	40.856	ug/l	64
9) 1,1,2-Trichlorotrifluoroet	3.17	101	319467	53.132	ug/l	97
10) Methyl Iodide	3.31	142	370685	40.791	ug/l #	80
11) Tert butyl alcohol	4.08	59	70642	247.392	ug/l #	95
12) 1,1-Dichloroethene	3.15	96	229617	50.027	ug/l	88
13) Acrolein	3.05	56	54029	182.937	ug/l	90
14) Allyl chloride	3.64	41	321139	48.121	ug/l #	75
15) Acrylonitrile	4.22	53	169365	225.655	ug/l #	85
16) Acetone	3.23	43	343982	293.216	ug/l #	78
17) Carbon Disulfide	3.39	76	578785	43.836	ug/l	99
18) Methyl Acetate	3.66	43	99493	47.404	ug/l	95
19) Methyl tert-butyl Ether	4.26	73	539987	54.888	ug/l	93
20) Methylene Chloride	3.82	84	235378	48.053	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	261543	51.208	ug/l	95
22) Diisopropyl ether	5.14	45	744562	52.429	ug/l	95
23) Vinyl Acetate	5.07	43	2099593	280.217	ug/l	96
24) 1,1-Dichloroethane	5.01	63	456978	53.341	ug/l	97
25) 2-Butanone	6.09	43	327583	256.002	ug/l	92
26) 2,2-Dichloropropane	6.04	77	539767	63.250	ug/l	88
27) cis-1,2-Dichloroethene	6.05	96	292867	51.228	ug/l	89
28) Bromochloromethane	6.46	49	226982	67.342	ug/l	89
29) Tetrahydrofuran	6.48	42	153187	259.819	ug/l	91
30) Chloroform	6.68	83	643289	62.305	ug/l	100
31) Cyclohexane	6.97	56	288691	49.186	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	618097	63.337	ug/l	99
36) 1,1-Dichloropropene	7.16	75	393400	53.963	ug/l	94
37) Ethyl Acetate	6.20	43	151733	49.078	ug/l #	91
38) Carbon Tetrachloride	7.13	117	640493m	63.477	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	338956	48.527	ug/l	94
40) Benzene	7.48	78	748572	45.473	ug/l	99
41) Methacrylonitrile	6.46	41	203925	53.975	ug/l #	84
42) 1,2-Dichloroethane	7.59	62	438022	62.802	ug/l	91
43) Isopropyl Acetate	9.26	43	221405	50.496	ug/l #	91
44) Trichloroethene	8.56	130	309419	49.326	ug/l	81
45) 1,2-Dichloropropane	8.95	63	200740	49.299	ug/l	92
46) Dibromomethane	9.08	93	184740	55.792	ug/l	95
47) Bromodichloromethane	9.39	83	479309	59.179	ug/l	99
48) Methyl methacrylate	9.14	41	148648	55.039	ug/l #	84
49) 1,4-Dioxane	9.10	88	25529	876.085	ug/l #	82
51) 4-Methyl-2-Pentanone	10.31	43	697225	247.376	ug/l	89
52) Toluene	10.53	92	526570	49.162	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	412924	58.989	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	408054	53.434	ug/l #	84
55) 1,1,2-Trichloroethane	11.21	97	191308	50.481	ug/l	98
56) Ethyl methacrylate	11.06	69	199897	50.760	ug/l #	80
57) 1,3-Dichloropropane	11.42	76	296179	51.731	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.88	63	663597	308.488	ug/l	97
59) 2-Hexanone	11.55	43	560888	270.004	ug/l	92
60) Dibromochloromethane	11.70	129	365238	55.766	ug/l	97
61) 1,2-Dibromoethane	11.82	107	244547	53.077	ug/l	92
64) Tetrachloroethene	11.27	164	292196	48.208	ug/l	93
65) Chlorobenzene	12.41	112	651879	45.154	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	333747	53.118	ug/l	95
67) Ethyl Benzene	12.53	91	1237227	51.190	ug/l	94
68) m/p-Xylenes	12.68	106	770405	87.612	ug/l	85
69) o-Xylene	13.06	106	370033	45.263	ug/l	77
70) Styrene	13.08	104	620394	44.798	ug/l	94
71) Bromoform	13.24	173	234785	53.710	ug/l	98
73) Isopropylbenzene	13.41	105	1237647	51.124	ug/l	95
74) N-amyl acetate	13.27	43	307322	48.420	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	223091	48.678	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	248536	51.783	ug/l	99
77) Bromobenzene	13.68	156	336604	49.669	ug/l	88
78) n-propylbenzene	13.78	91	1506391	52.163	ug/l	96
79) 2-Chlorotoluene	13.85	91	923105	55.813	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1073093	52.639	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.48	75	66915	49.386	ug/l #	71
82) 4-Chlorotoluene	13.95	91	1070839	55.021	ug/l	79
83) tert-Butylbenzene	14.20	119	1174921	51.277	ug/l	92
84) 1,2,4-Trimethylbenzene	14.25	105	1064486	52.035	ug/l	91
85) sec-Butylbenzene	14.37	105	1143465	45.516	ug/l	96
86) p-Isopropyltoluene	14.50	119	1097821	48.911	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	603306	48.733	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	593123	48.761	ug/l	98
89) n-Butylbenzene	14.81	91	1105584	54.877	ug/l	95
90) Hexachloroethane	15.01	117	319693	52.375	ug/l	86
91) 1,2-Dichlorobenzene	14.82	146	522084	51.207	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.39	75	41128	54.669	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	389951	52.547	ug/l	98
94) Hexachlorobutadiene	16.05	225	303493	54.986	ug/l	99
95) Naphthalene	16.13	128	561714	54.217	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	279229	59.845	ug/l	97

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

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