

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061409.D
 Acq On : 29 Mar 2019 00:09
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/2/2019 11:31:41 AM

Quant Time: Mar 29 02:17:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	648830	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1138600	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	921064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	400814	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	270569	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
35) Dibromofluoromethane	6.92	113	454038	52.18	ug/l	0.02
Spiked Amount			Recovery	=	104.36%	
50) Toluene-d8	10.40	98	1033663	49.53	ug/l	0.02
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	13.55	95	369121	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	315710	45.562	ug/l	98
3) Chloromethane	1.76	50	234615	41.516	ug/l	99
4) Vinyl Chloride	1.86	62	229084	44.150	ug/l	97
5) Bromomethane	2.15	94	53621	52.114	ug/l	93
6) Chloroethane	2.27	64	78769	51.767	ug/l	97
7) Trichlorofluoromethane	2.54	101	356688	47.274	ug/l	96
8) Diethyl Ether	2.87	74	108507	44.666	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	372710	45.947	ug/l	97
10) Methyl Iodide	3.31	142	547264	44.768	ug/l	99
11) Tert butyl alcohol	4.05	59	83324	241.397	ug/l	99
12) 1,1-Dichloroethene	3.13	96	321365	46.145	ug/l	97
13) Acrolein	3.03	56	49430	181.691	ug/l	93
14) Allyl chloride	3.62	41	457957	47.146	ug/l	95
15) Acrylonitrile	4.18	53	276117	230.476	ug/l	96
16) Acetone	3.22	43	272626	191.342	ug/l	95
17) Carbon Disulfide	3.38	76	959522	42.405	ug/l	99
18) Methyl Acetate	3.64	43	141313	47.172	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	549487	45.581	ug/l	99
20) Methylene Chloride	3.82	84	387818	48.532	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	334690	44.513	ug/l	98
22) Diisopropyl ether	5.12	45	987311	48.032	ug/l	97
23) Vinyl Acetate	5.05	43	2619871	234.637	ug/l	97
24) 1,1-Dichloroethane	4.98	63	597933	49.497	ug/l	99
25) 2-Butanone	6.06	43	399124	222.690	ug/l	98
26) 2,2-Dichloropropane	6.02	77	419861	43.721	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	391511	47.525	ug/l	100
28) Bromochloromethane	6.43	49	278905	57.195	ug/l #	99
29) Tetrahydrofuran	6.45	42	222628	256.274	ug/l	98
30) Chloroform	6.65	83	605837	48.536	ug/l	99
31) Cyclohexane	6.95	56	454359	47.596	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	528358	47.980	ug/l	98
36) 1,1-Dichloropropene	7.14	75	407332	40.990	ug/l	97
37) Ethyl Acetate	6.17	43	200297	47.129	ug/l	97
38) Carbon Tetrachloride	7.11	117	485725m	42.536	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	469911	45.403	ug/l	96
40) Benzene	7.45	78	1032207	41.387	ug/l	97
41) Methacrylonitrile	6.43	41	247369	49.780	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	349719	46.878	ug/l	99
43) Isopropyl Acetate	9.23	43	290521	46.982	ug/l #	97
44) Trichloroethene	8.53	130	399268	43.018	ug/l	95
45) 1,2-Dichloropropane	8.93	63	293188	46.360	ug/l	99
46) Dibromomethane	9.06	93	200666	47.142	ug/l	96
47) Bromodichloromethane	9.36	83	452208	47.333	ug/l	96
48) Methyl methacrylate	9.11	41	157423	46.129	ug/l	97
49) 1,4-Dioxane	9.08	88	36859	979.208	ug/l	94
51) 4-Methyl-2-Pentanone	10.29	43	871648	231.692	ug/l	98
52) Toluene	10.50	92	690583	45.387	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	381637	43.967	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	496808	47.005	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	227507	42.755	ug/l	99
56) Ethyl methacrylate	11.03	69	274876	48.086	ug/l	99
57) 1,3-Dichloropropane	11.40	76	378275	48.366	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	690662	248.098	ug/l	99
59) 2-Hexanone	11.53	43	646617	237.226	ug/l	99
60) Dibromochloromethane	11.67	129	376033	45.840	ug/l	100
61) 1,2-Dibromoethane	11.79	107	289415	46.971	ug/l	99
64) Tetrachloroethene	11.25	164	318379	44.044	ug/l	98
65) Chlorobenzene	12.39	112	871936	46.322	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	331716	45.514	ug/l	98
67) Ethyl Benzene	12.52	91	1266148	44.068	ug/l	98
68) m/p-Xylenes	12.66	106	977060	89.773	ug/l	95
69) o-Xylene	13.04	106	504399	47.757	ug/l	99
70) Styrene	13.06	104	879446	47.767	ug/l	97
71) Bromoform	13.23	173	207582	44.930	ug/l	98
73) Isopropylbenzene	13.40	105	1240581	44.471	ug/l	99
74) N-amyl acetate	13.26	43	358909	46.185	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	263759	44.821	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	268808	46.427	ug/l	100
77) Bromobenzene	13.66	156	385989	46.673	ug/l	91
78) n-propylbenzene	13.77	91	1533319	44.915	ug/l	100
79) 2-Chlorotoluene	13.84	91	791235	42.686	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	1028322	47.510	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	84238	47.718	ug/l	93
82) 4-Chlorotoluene	13.94	91	973840	48.317	ug/l	91
83) tert-Butylbenzene	14.18	119	1236425	45.710	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	1029032	43.914	ug/l	98
85) sec-Butylbenzene	14.36	105	1268844	44.156	ug/l	99
86) p-Isopropyltoluene	14.49	119	1108784	45.631	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	629867	44.976	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	615106	45.039	ug/l	95
89) n-Butylbenzene	14.79	91	972218	43.592	ug/l	98
90) Hexachloroethane	15.00	117	337913	49.225	ug/l	78
91) 1,2-Dichlorobenzene	14.80	146	507166	44.151	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	29797	43.172	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	253049	48.358	ug/l	95
94) Hexachlorobutadiene	16.03	225	198159	48.461	ug/l	98
95) Naphthalene	16.11	128	431123	54.051	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	141738	61.554	ug/l	94

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

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