

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD043019\
 Data File : VD062090.D
 Acq On : 30 Apr 2019 16:33
 Operator : FY/SY
 Sample : K2241-01
 Misc : 5.01µm/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 7:23:33 AM

Quant Time: May 01 08:37:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 08:28:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	607929	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	953089	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	793664	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	377663	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.42	65	252307	53.03	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	106.06%	
35) Dibromofluoromethane	6.90	113	367884	55.81	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	111.62%	
50) Toluene-d8	10.39	98	792345	50.52	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	13.55	95	309218	49.15	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	15645	2.882	ug/l	94
3) Chloromethane	1.73	50	11607	2.516	ug/l #	88
4) Vinyl Chloride	1.83	62	10436	2.496	ug/l #	87
5) Bromomethane	2.14	94	6281	5.274	ug/l #	83
6) Chloroethane	2.25	64	4066	2.690	ug/l	100
7) Trichlorofluoromethane	2.52	101	15337	2.426	ug/l	93
8) Diethyl Ether	2.85	74	3458	2.041	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.13	101	14413	2.475	ug/l	98
10) Methyl Iodide	3.29	142	13044	1.793	ug/l	95
11) Tert butyl alcohol	4.02	59	2714	10.096	ug/l #	76
12) 1,1-Dichloroethene	3.11	96	11973	2.416	ug/l	91
13) Acrolein	3.01	56	3183	11.412	ug/l	89
14) Allyl chloride	3.59	41	15849	2.342	ug/l	88
15) Acrylonitrile	4.17	53	9225	11.082	ug/l	91
16) Acetone	3.19	43	13417	11.810	ug/l	91
17) Carbon Disulfide	3.36	76	36725	2.565	ug/l	98
18) Methyl Acetate	3.62	43	6914	3.025	ug/l #	81
19) Methyl tert-butyl Ether	4.21	73	21723	2.209	ug/l #	84
20) Methylene Chloride	3.79	84	29573	4.696	ug/l	94
21) trans-1,2-Dichloroethene	4.19	96	12831	2.257	ug/l	94
22) Diisopropyl ether	5.08	45	37761	2.390	ug/l	97
23) Vinyl Acetate	5.02	43	88328	10.736	ug/l	97
24) 1,1-Dichloroethane	4.94	63	22075	2.312	ug/l #	85
25) 2-Butanone	6.03	43	16168	11.738	ug/l	100
26) 2,2-Dichloropropane	5.99	77	20075	2.410	ug/l	98
27) cis-1,2-Dichloroethene	6.00	96	15792	2.442	ug/l	95
28) Bromochloromethane	6.40	49	9648	2.641	ug/l	87
29) Tetrahydrofuran	6.43	42	9041	13.321	ug/l	93
30) Chloroform	6.63	83	27185	2.507	ug/l	87
31) Cyclohexane	6.92	56	17740	2.503	ug/l	92
32) 1,1,1-Trichloroethane	6.84	97	24735	2.621	ug/l	98
36) 1,1-Dichloropropene	7.12	75	21584	2.907	ug/l	96
37) Ethyl Acetate	6.14	43	8147	2.575	ug/l #	82
38) Carbon Tetrachloride	7.08	117	23193	2.465	ug/l #	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	19635	2.680	ug/l #	88
40) Benzene	7.42	78	47726	2.596	ug/l	98
41) Methacrylonitrile	6.41	41	9332	2.528	ug/l #	85
42) 1,2-Dichloroethane	7.55	62	14464	2.317	ug/l	97
43) Isopropyl Acetate	9.21	43	11058	2.392	ug/l	92
44) Trichloroethene	8.51	130	19027	2.670	ug/l	93
45) 1,2-Dichloropropane	8.91	63	11312	2.426	ug/l	94
46) Dibromomethane	9.04	93	8572	2.554	ug/l #	81
47) Bromodichloromethane	9.35	83	17107	2.157	ug/l #	96
48) Methyl methacrylate	9.10	41	6743	2.556	ug/l	89
49) 1,4-Dioxane	9.06	88	1168	41.068	ug/l #	31
51) 4-Methyl-2-Pentanone	10.28	43	37257	13.176	ug/l	90
52) Toluene	10.48	92	31396	2.679	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	14925	2.242	ug/l	94
54) cis-1,3-Dichloropropene	10.01	75	20614	2.547	ug/l #	87
55) 1,1,2-Trichloroethane	11.16	97	9627	2.446	ug/l	94
56) Ethyl methacrylate	11.02	69	10547	2.420	ug/l	98
57) 1,3-Dichloropropane	11.39	76	15203	2.501	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.83	63	28296	13.964	ug/l #	74
59) 2-Hexanone	11.52	43	26987	12.723	ug/l	97
60) Dibromochloromethane	11.66	129	15571	2.391	ug/l	94
61) 1,2-Dibromoethane	11.79	107	12366	2.649	ug/l #	80
64) Tetrachloroethene	11.23	164	15623	2.759	ug/l	96
65) Chlorobenzene	12.38	112	39960	2.664	ug/l	93
66) 1,1,1,2-Tetrachloroethane	12.50	131	14416	2.266	ug/l	92
67) Ethyl Benzene	12.51	91	60499	2.472	ug/l	99
68) m/p-Xylenes	12.65	106	44992	5.085	ug/l	95
69) o-Xylene	13.03	106	21516	2.658	ug/l	88
70) Styrene	13.06	104	34633	2.478	ug/l	91
71) Bromoform	13.22	173	8401	2.316	ug/l	99
73) Isopropylbenzene	13.39	105	63571	2.523	ug/l	99
74) N-amyl acetate	13.25	43	13774	2.123	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.68	83	10838	2.195	ug/l	92
76) 1,2,3-Trichloropropane	13.72	75	11581	2.415	ug/l	98
77) Bromobenzene	13.65	156	18086	2.503	ug/l	87
78) n-propylbenzene	13.76	91	75333	2.612	ug/l	98
79) 2-Chlorotoluene	13.83	91	38553	2.207	ug/l	93
80) 1,3,5-Trimethylbenzene	13.92	105	54228	2.700	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	2962m	2.038	ug/l	
82) 4-Chlorotoluene	13.94	91	52647	2.737	ug/l	98
83) tert-Butylbenzene	14.18	119	57317	2.463	ug/l	97
84) 1,2,4-Trimethylbenzene	14.22	105	54614	2.847	ug/l	97
85) sec-Butylbenzene	14.35	105	64428	2.562	ug/l	91
86) p-Isopropyltoluene	14.48	119	60135	2.672	ug/l	97
87) 1,3-Dichlorobenzene	14.44	146	30848	2.437	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	30014	2.536	ug/l	93
89) n-Butylbenzene	14.79	91	48611	2.406	ug/l	93
90) Hexachloroethane	14.99	117	13594	2.234	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	24504	2.347	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	1341	2.040	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	15035	2.669	ug/l	90
94) Hexachlorobutadiene	16.03	225	10719	2.571	ug/l	97
95) Naphthalene	16.11	128	27002	2.969	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	9327	2.918	ug/l	95

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

