

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD043019\
 Data File : VD062086.D
 Acq On : 30 Apr 2019 14:39
 Operator : FY/SY
 Sample : K2241-01
 Misc : 5.00gm/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 7:23:32 AM

Quant Time: May 01 08:33:33 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	7.03	168	522098	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	824474	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	749824	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	374202	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	234518	57.39	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	114.78%	
35) Dibromofluoromethane	6.90	113	343999	60.33	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	120.66%	
50) Toluene-d8	10.40	98	767420	56.56	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	113.12%	
62) 4-Bromofluorobenzene	13.55	95	292113	53.68	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.36%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.58	85	18043	3.870	ug/l	89
3) Chloromethane	1.75	50	14190	3.581	ug/l	97
4) Vinyl Chloride	1.84	62	12565	3.499	ug/l	89
5) Bromomethane	2.15	94	6042	5.907	ug/l #	74
6) Chloroethane	2.27	64	3968	3.057	ug/l #	61
7) Trichlorofluoromethane	2.52	101	21618	3.981	ug/l	89
8) Diethyl Ether	2.87	74	4572	3.142	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.14	101	16799	3.358	ug/l	92
10) Methyl Iodide	3.30	142	16340	2.616	ug/l #	96
11) Tert butyl alcohol	4.05	59	3668	15.887	ug/l #	76
12) 1,1-Dichloroethene	3.12	96	14064	3.305	ug/l	96
13) Acrolein	3.03	56	3077	12.845	ug/l	100
14) Allyl chloride	3.61	41	15592	2.683	ug/l #	82
15) Acrylonitrile	4.18	53	10664	14.917	ug/l #	87
16) Acetone	3.21	43	16851	17.271	ug/l #	82
17) Carbon Disulfide	3.37	76	40495	3.293	ug/l	96
18) Methyl Acetate	3.63	43	8599	4.380	ug/l	95
19) Methyl tert-butyl Ether	4.21	73	25383	3.006	ug/l	92
20) Methylene Chloride	3.80	84	34724	6.420	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	17164	3.516	ug/l	84
22) Diisopropyl ether	5.09	45	37103	2.735	ug/l	93
23) Vinyl Acetate	5.03	43	92505	13.093	ug/l	99
24) 1,1-Dichloroethane	4.96	63	25204	3.074	ug/l #	85
25) 2-Butanone	6.05	43	17047	14.411	ug/l #	91
26) 2,2-Dichloropropane	6.01	77	20577	2.876	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	16542	2.978	ug/l	90
28) Bromochloromethane	6.42	49	8130	2.591	ug/l	89
29) Tetrahydrofuran	6.43	42	7702	13.214	ug/l	91
30) Chloroform	6.65	83	27082	2.908	ug/l	94
31) Cyclohexane	6.94	56	19059	3.131	ug/l #	91
32) 1,1,1-Trichloroethane	6.84	97	23892	2.948	ug/l #	91
36) 1,1-Dichloropropene	7.13	75	22060	3.434	ug/l	90
37) Ethyl Acetate	6.17	43	8586	3.137	ug/l #	64
38) Carbon Tetrachloride	7.09	117	24911	3.060	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	23376	3.688	ug/l	90
40) Benzene	7.44	78	46148	2.902	ug/l	96
41) Methacrylonitrile	6.42	41	10350	3.241	ug/l	91
42) 1,2-Dichloroethane	7.55	62	17378	3.218	ug/l	96
43) Isopropyl Acetate	9.22	43	12322	3.081	ug/l #	85
44) Trichloroethene	8.53	130	19568	3.174	ug/l	86
45) 1,2-Dichloropropane	8.92	63	11479	2.845	ug/l	95
46) Dibromomethane	9.05	93	8091	2.787	ug/l #	76
47) Bromodichloromethane	9.36	83	20774	3.029	ug/l	93
48) Methyl methacrylate	9.11	41	6637	2.908	ug/l #	87
49) 1,4-Dioxane	9.07	88	1193	48.491	ug/l #	31
51) 4-Methyl-2-Pentanone	10.28	43	42370	17.322	ug/l	92
52) Toluene	10.50	92	33610	3.315	ug/l	95
53) t-1,3-Dichloropropene	10.90	75	17488	3.037	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	21465	3.065	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	11059	3.249	ug/l	95
56) Ethyl methacrylate	11.03	69	10691	2.836	ug/l #	87
57) 1,3-Dichloropropane	11.39	76	15805	3.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	28326	16.160	ug/l	94
59) 2-Hexanone	11.52	43	29078	15.848	ug/l	99
60) Dibromochloromethane	11.67	129	16577	2.943	ug/l	99
61) 1,2-Dibromoethane	11.80	107	12191	3.019	ug/l	98
64) Tetrachloroethene	11.25	164	16143	3.018	ug/l	91
65) Chlorobenzene	12.39	112	38736	2.734	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.51	131	15736	2.618	ug/l	98
67) Ethyl Benzene	12.52	91	66653	2.882	ug/l	96
68) m/p-Xylenes	12.65	106	51452	6.156	ug/l	98
69) o-Xylene	13.04	106	21637	2.829	ug/l	100
70) Styrene	13.07	104	40182	3.043	ug/l	98
71) Bromoform	13.22	173	8006	2.337	ug/l #	82
73) Isopropylbenzene	13.39	105	65641	2.630	ug/l	100
74) N-amyl acetate	13.25	43	14969	2.329	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	13405	2.740	ug/l	91
76) 1,2,3-Trichloropropane	13.73	75	13179	2.773	ug/l	98
77) Bromobenzene	13.66	156	18090	2.526	ug/l	77
78) n-propylbenzene	13.77	91	80791	2.827	ug/l	99
79) 2-Chlorotoluene	13.83	91	42032	2.428	ug/l	96
80) 1,3,5-Trimethylbenzene	13.92	105	54267	2.726	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.46	75	3321m	2.306	ug/l	
82) 4-Chlorotoluene	13.94	91	52209	2.739	ug/l	97
83) tert-Butylbenzene	14.18	119	65934	2.860	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	57928	3.048	ug/l	98
85) sec-Butylbenzene	14.36	105	75926	3.048	ug/l	97
86) p-Isopropyltoluene	14.48	119	62651	2.810	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	35028	2.793	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	36027	3.072	ug/l	94
89) n-Butylbenzene	14.79	91	55318	2.763	ug/l	95
90) Hexachloroethane	15.00	117	16439	2.727	ug/l	87
91) 1,2-Dichlorobenzene	14.80	146	28989	2.803	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	1547	2.375	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	15305	2.742	ug/l	91
94) Hexachlorobutadiene	16.03	225	10921	2.644	ug/l	96
95) Naphthalene	16.12	128	25649	2.846	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	10196	3.220	ug/l	95

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

