

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD043019\
 Data File : VD062087.D
 Acq On : 30 Apr 2019 15:07
 Operator : FY/SY
 Sample : K2241-02
 Misc : 5.00gm/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Quant Time: May 01 08:34:08 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	7.03	168	544686	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	826472	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	704348	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	373292	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	242941	56.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	113.98%	
35) Dibromofluoromethane	6.90	113	330396	57.80	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	115.60%	
50) Toluene-d8	10.39	98	757340	55.68	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.36%	
62) 4-Bromofluorobenzene	13.54	95	295301	54.13	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	108.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	47098	9.684	ug/l	97
3) Chloromethane	1.75	50	40838	9.879	ug/l	99
4) Vinyl Chloride	1.84	62	36404	9.716	ug/l	95
5) Bromomethane	2.15	94	13839	12.969	ug/l	92
6) Chloroethane	2.25	64	18426	13.605	ug/l	98
7) Trichlorofluoromethane	2.52	101	68480	12.088	ug/l	90
8) Diethyl Ether	2.86	74	17418	11.472	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	64923	12.441	ug/l	100
10) Methyl Iodide	3.30	142	62104	9.530	ug/l	99
11) Tert butyl alcohol	4.04	59	13359	55.463	ug/l	100
12) 1,1-Dichloroethene	3.12	96	50327	11.335	ug/l	96
13) Acrolein	3.02	56	11025	44.116	ug/l	90
14) Allyl chloride	3.61	41	71764	11.837	ug/l	95
15) Acrylonitrile	4.17	53	43948	58.924	ug/l	95
16) Acetone	3.21	43	61444	60.365	ug/l	92
17) Carbon Disulfide	3.37	76	131497	10.249	ug/l	100
18) Methyl Acetate	3.62	43	24896	12.155	ug/l	93
19) Methyl tert-butyl Ether	4.22	73	102328	11.616	ug/l	95
20) Methylene Chloride	3.80	84	74389	13.184	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	57155	11.222	ug/l	96
22) Diisopropyl ether	5.09	45	146935	10.381	ug/l	93
23) Vinyl Acetate	5.03	43	386993	52.502	ug/l	97
24) 1,1-Dichloroethane	4.96	63	94738	11.074	ug/l	99
25) 2-Butanone	6.04	43	62462	50.613	ug/l	99
26) 2,2-Dichloropropane	6.00	77	80283	10.757	ug/l	95
27) cis-1,2-Dichloroethene	6.01	96	62365	10.763	ug/l	96
28) Bromochloromethane	6.41	49	34948	10.676	ug/l	83
29) Tetrahydrofuran	6.44	42	30511	50.176	ug/l	97
30) Chloroform	6.64	83	109492	11.268	ug/l	100
31) Cyclohexane	6.94	56	62951	9.914	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	98565	11.658	ug/l	97
36) 1,1-Dichloropropene	7.13	75	73467	11.409	ug/l	96
37) Ethyl Acetate	6.16	43	32251	11.754	ug/l #	87
38) Carbon Tetrachloride	7.10	117	86873	10.647	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	68571	10.794	ug/l	96
40) Benzene	7.43	78	185315	11.625	ug/l	98
41) Methacrylonitrile	6.42	41	37602	11.745	ug/l #	87
42) 1,2-Dichloroethane	7.56	62	67831	12.532	ug/l	99
43) Isopropyl Acetate	9.22	43	44147	11.011	ug/l	100
44) Trichloroethene	8.52	130	67764	10.965	ug/l	99
45) 1,2-Dichloropropane	8.92	63	46494	11.497	ug/l	98
46) Dibromomethane	9.05	93	31722	10.901	ug/l	92
47) Bromodichloromethane	9.35	83	76321	11.100	ug/l	99
48) Methyl methacrylate	9.11	41	27166	11.876	ug/l	94
49) 1,4-Dioxane	9.06	88	4883	197.996	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	143723	58.617	ug/l	98
52) Toluene	10.49	92	130982	12.887	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	67664	11.724	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	82303	11.725	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	42236	12.377	ug/l	92
56) Ethyl methacrylate	11.02	69	44940	11.891	ug/l	99
57) 1,3-Dichloropropane	11.39	76	64153	12.172	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.84	63	110608	62.949	ug/l	95
59) 2-Hexanone	11.52	43	100564	54.676	ug/l	99
60) Dibromochloromethane	11.67	129	67161	11.895	ug/l	94
61) 1,2-Dibromoethane	11.79	107	49752	12.291	ug/l	97
64) Tetrachloroethene	11.24	164	54712	10.889	ug/l	93
65) Chlorobenzene	12.38	112	153243	11.514	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.50	131	61188	10.838	ug/l	98
67) Ethyl Benzene	12.51	91	229815	10.579	ug/l	98
68) m/p-Xylenes	12.66	106	189657	24.155	ug/l	96
69) o-Xylene	13.03	106	79013	10.999	ug/l	89
70) Styrene	13.06	104	133956	10.799	ug/l	99
71) Bromoform	13.22	173	36086	11.211	ug/l	100
73) Isopropylbenzene	13.40	105	255297	10.252	ug/l	98
74) N-amyl acetate	13.26	43	56148	8.755	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	49569	10.158	ug/l	95
76) 1,2,3-Trichloropropane	13.72	75	47567	10.035	ug/l	97
77) Bromobenzene	13.66	156	72160	10.102	ug/l	95
78) n-propylbenzene	13.76	91	292987	10.278	ug/l	99
79) 2-Chlorotoluene	13.83	91	178951	10.364	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	211111	10.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	12950	9.015	ug/l	92
82) 4-Chlorotoluene	13.94	91	201241	10.583	ug/l	98
83) tert-Butylbenzene	14.18	119	248375	10.798	ug/l	95
84) 1,2,4-Trimethylbenzene	14.22	105	206026	10.867	ug/l	94
85) sec-Butylbenzene	14.36	105	254051	10.222	ug/l	94
86) p-Isopropyltoluene	14.48	119	226284	10.173	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	124788	9.976	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	134534	11.500	ug/l	96
89) n-Butylbenzene	14.79	91	201847	10.108	ug/l	95
90) Hexachloroethane	15.00	117	58188	9.675	ug/l	80
91) 1,2-Dichlorobenzene	14.80	146	97595	9.458	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	6214	9.562	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	62584	11.241	ug/l	94
94) Hexachlorobutadiene	16.03	225	45220	10.975	ug/l	97
95) Naphthalene	16.11	128	99247	11.040	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	35910	11.368	ug/l	99

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

