

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051419\
 Data File : VD062368.D
 Acq On : 15 May 2019 2:37
 Operator : FY/SY
 Sample : K2756-18MS
 Misc : 6.13g/5mL/MSVOA_D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS008-0206-01MS

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 9:45:57 AM

Quant Time: May 15 03:53:50 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	41066	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	59952	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.37	117	55317	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	26775	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	54594	143.05	ug/l	0.04
Spiked Amount	50.000		Recovery	=	286.10%	
35) Dibromofluoromethane	6.93	113	42898	86.24	ug/l	0.04
Spiked Amount	50.000		Recovery	=	172.48%	
50) Toluene-d8	10.42	98	72737	60.65	ug/l	0.02
Spiked Amount	50.000		Recovery	=	121.30%	
62) 4-Bromofluorobenzene	13.57	95	35189	73.07	ug/l	0.02
Spiked Amount	50.000		Recovery	=	146.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	18250	46.466	ug/l	94
3) Chloromethane	1.76	50	13987	49.285	ug/l	96
4) Vinyl Chloride	1.86	62	12835	46.018	ug/l	93
5) Bromomethane	2.17	94	12557	192.139	ug/l	92
6) Chloroethane	2.29	64	7244	61.896	ug/l #	84
7) Trichlorofluoromethane	2.55	101	36976	68.190	ug/l	95
8) Diethyl Ether	2.89	74	9904	94.705	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.17	101	16352	39.864	ug/l	96
10) Methyl Iodide	3.32	142	19968	32.209	ug/l #	57
11) Tert butyl alcohol	4.08	59	21325	1094.701	ug/l #	92
12) 1,1-Dichloroethene	3.14	96	13252	42.322	ug/l #	74
14) Allyl chloride	3.64	41	29791	65.435	ug/l #	79
15) Acrylonitrile	4.21	53	46738	912.801	ug/l #	82
16) Acetone	3.23	43	116282	1452.940	ug/l #	80
17) Carbon Disulfide	3.40	76	32708	36.312	ug/l	97
18) Methyl Acetate	3.66	43	120165	844.335	ug/l #	87
19) Methyl tert-butyl Ether	4.26	73	84458	125.839	ug/l	94
20) Methylene Chloride	3.83	84	24522	73.383	ug/l	92
21) trans-1,2-Dichloroethene	4.25	96	17775	51.014	ug/l	96
22) Diisopropyl ether	5.14	45	83532	86.220	ug/l #	87
23) Vinyl Acetate	5.14	43	39131	76.553	ug/l #	77
24) 1,1-Dichloroethane	5.00	63	38816	66.414	ug/l #	95
25) 2-Butanone	6.09	43	94238	1079.524	ug/l #	89
26) 2,2-Dichloropropane	6.05	77	32832	56.395	ug/l	95
27) cis-1,2-Dichloroethene	6.06	96	23932	61.363	ug/l	94
28) Bromochloromethane	6.46	49	27653	120.260	ug/l #	79
29) Tetrahydrofuran	6.48	42	45134	1122.112	ug/l	91
30) Chloroform	6.69	83	55003	78.088	ug/l	97
31) Cyclohexane	6.96	56	13432	33.546	ug/l	88
32) 1,1,1-Trichloroethane	6.89	97	41681	62.607	ug/l	99
36) 1,1-Dichloropropene	7.17	75	23082	46.957	ug/l	83
37) Ethyl Acetate	6.19	43	6535m	31.349	ug/l	
38) Carbon Tetrachloride	7.14	117	35796	52.614	ug/l #	93
39) Methylcyclohexane	8.88	83	9547	20.271	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.47	78	60389	54.406	ug/l	96
41) Methacrylonitrile	6.47	41	50328	197.561	ug/l #	72
42) 1,2-Dichloroethane	7.60	62	57983	123.295	ug/l	88
43) Isopropyl Acetate	9.26	43	3128	10.580	ug/l #	43
44) Trichloroethene	8.56	130	17799	42.082	ug/l	81
45) 1,2-Dichloropropane	8.95	63	16715	60.881	ug/l #	89
46) Dibromomethane	9.08	93	26936	120.647	ug/l	93
47) Bromodichloromethane	9.39	83	48372	88.576	ug/l	94
48) Methyl methacrylate	9.14	41	41349	227.063	ug/l #	75
49) 1,4-Dioxane	9.10	88	8243	4195.319	ug/l #	64
51) 4-Methyl-2-Pentanone	10.31	43	177529	934.160	ug/l	90
52) Toluene	10.52	92	40319	55.828	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	43866	92.938	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	35423	68.795	ug/l #	80
55) 1,1,2-Trichloroethane	11.20	97	28154	110.179	ug/l #	87
56) Ethyl methacrylate	11.05	69	2315	8.718	ug/l #	54
57) 1,3-Dichloropropane	11.42	76	42522	110.148	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	105390	726.609	ug/l	98
59) 2-Hexanone	11.54	43	125841	898.430	ug/l	87
60) Dibromochloromethane	11.70	129	44629	101.060	ug/l	92
61) 1,2-Dibromoethane	11.81	107	36537	117.609	ug/l	89
64) Tetrachloroethene	11.27	164	15703	36.303	ug/l	96
65) Chlorobenzene	12.40	112	46475	45.108	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	27048	60.321	ug/l	92
67) Ethyl Benzene	12.53	91	79141	45.882	ug/l	94
68) m/p-Xylenes	12.68	106	46711	74.434	ug/l	81
69) o-Xylene	13.05	106	28610	49.038	ug/l	79
70) Styrene	13.08	104	52197	52.813	ug/l #	91
71) Bromoform	13.24	173	32220	103.280	ug/l #	96
73) Isopropylbenzene	13.41	105	65712	40.943	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	39957	131.506	ug/l	92
76) 1,2,3-Trichloropropane	13.74	75	43864	137.850	ug/l	97
77) Bromobenzene	13.67	156	27017	60.132	ug/l	85
78) n-propylbenzene	13.78	91	67670	35.345	ug/l	95
79) 2-Chlorotoluene	13.85	91	53281	48.592	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	54641	40.429	ug/l	88
81) trans-1,4-Dichloro-2-buten	13.48	75	8277	92.141	ug/l #	39
82) 4-Chlorotoluene	13.95	91	60946	47.234	ug/l	74
83) tert-Butylbenzene	14.20	119	61328	40.371	ug/l	84
84) 1,2,4-Trimethylbenzene	14.24	105	59558	43.914	ug/l	87
85) sec-Butylbenzene	14.37	105	39377	23.642	ug/l	98
86) p-Isopropyltoluene	14.50	119	40508	27.222	ug/l	91
87) 1,3-Dichlorobenzene	14.46	146	33585	40.920	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	37429	46.413	ug/l	93
89) n-Butylbenzene	14.81	91	29096	21.784	ug/l	89
90) Hexachloroethane	15.01	117	11117	27.471	ug/l	96
91) 1,2-Dichlorobenzene	14.82	146	32717	48.402	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	9175	183.955	ug/l	70
93) 1,2,4-Trichlorobenzene	15.95	180	15195	30.885	ug/l	91
94) Hexachlorobutadiene	16.05	225	3204	8.756	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	16.12	128	46025	67.007	ug/l #	94
96) 1,2,3-Trichlorobenzene	16.27	180	11825	38.227	ug/l	94

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

