

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061360.D
 Acq On : 27 Mar 2019 18:24
 Operator : VA/AP
 Sample : K2047-05MSD
 Misc : 9.52g/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)MSD

Manual Integrations
 APPROVED

MMDadoda
 3/30/2019 12:16:33 AM

Quant Time: Mar 28 09:32:34 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	7.02	168	488631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	900304	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	730038	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	327811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	235792	56.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.98%	
35) Dibromofluoromethane	6.90	113	373514	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
50) Toluene-d8	10.38	98	810420	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	13.53	95	325275	51.40	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	253745	48.625	ug/l	99
3) Chloromethane	1.76	50	200500	47.111	ug/l	94
4) Vinyl Chloride	1.85	62	213701	54.688	ug/l	99
5) Bromomethane	2.14	94	43772	56.489	ug/l	85
6) Chloroethane	2.26	64	66962	58.435	ug/l	98
7) Trichlorofluoromethane	2.53	101	252125	44.371	ug/l	98
8) Diethyl Ether	2.86	74	114470	62.569	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	292884	47.944	ug/l	96
10) Methyl Iodide	3.29	142	441931	47.753	ug/l	99
11) Tert butyl alcohol	4.04	59	94083	361.929	ug/l	98
12) 1,1-Dichloroethene	3.12	96	258607	49.308	ug/l	93
13) Acrolein	3.02	56	58118	297.822	ug/l	98
14) Allyl chloride	3.60	41	397677	54.362	ug/l	96
15) Acrylonitrile	4.17	53	324134	359.258	ug/l	96
16) Acetone	3.20	43	497047	463.224	ug/l	99
17) Carbon Disulfide	3.36	76	859956	50.465	ug/l	100
18) Methyl Acetate	3.62	43	159911	70.880	ug/l	96
19) Methyl tert-butyl Ether	4.21	73	579519	63.832	ug/l	99
20) Methylene Chloride	3.80	84	354085	59.262	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	292523	51.660	ug/l	98
22) Diisopropyl ether	5.09	45	901127	58.212	ug/l	98
23) Vinyl Acetate	5.02	43	2565441	305.091	ug/l	98
24) 1,1-Dichloroethane	4.95	63	480282	52.792	ug/l	99
25) 2-Butanone	6.04	43	469643	347.946	ug/l	100
26) 2,2-Dichloropropane	5.99	77	353751	48.914	ug/l	97
27) cis-1,2-Dichloroethene	6.01	96	377122	60.787	ug/l	98
28) Bromochloromethane	6.41	49	214416	58.386	ug/l	94
29) Tetrahydrofuran	6.43	42	233311	356.624	ug/l	99
30) Chloroform	6.63	83	530797	56.466	ug/l	99
31) Cyclohexane	6.93	56	373217	51.913	ug/l	99
32) 1,1,1-Trichloroethane	6.84	97	430383	51.896	ug/l	98
36) 1,1-Dichloropropene	7.12	75	354596	45.128	ug/l	99
37) Ethyl Acetate	6.15	43	231983	69.032	ug/l	98
38) Carbon Tetrachloride	7.08	117	400798m	44.389	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	341916	41.780	ug/l	97
40) Benzene	7.43	78	933389	47.331	ug/l	98
41) Methacrylonitrile	6.42	41	251983	64.130	ug/l	98
42) 1,2-Dichloroethane	7.55	62	350264	59.378	ug/l	100
43) Isopropyl Acetate	9.21	43	302342	61.835	ug/l #	97
44) Trichloroethene	8.51	130	346251	47.180	ug/l	98
45) 1,2-Dichloropropane	8.92	63	264347	52.864	ug/l	100
46) Dibromomethane	9.03	93	200709	59.633	ug/l	97
47) Bromodichloromethane	9.35	83	416344	55.114	ug/l	98
48) Methyl methacrylate	9.09	41	162407	60.185	ug/l	99
49) 1,4-Dioxane	9.04	88	41671	1400.062	ug/l	97
51) 4-Methyl-2-Pentanone	10.27	43	907683	305.131	ug/l	99
52) Toluene	10.48	92	639781	53.178	ug/l	99
53) t-1,3-Dichloropropene	10.88	75	388820	56.651	ug/l	99
54) cis-1,3-Dichloropropene	10.01	75	442315	52.926	ug/l	97
55) 1,1,2-Trichloroethane	11.16	97	239530	56.929	ug/l	97
56) Ethyl methacrylate	11.01	69	267405	59.161	ug/l	97
57) 1,3-Dichloropropane	11.39	76	381515	61.691	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.83	63	685725	311.522	ug/l	99
59) 2-Hexanone	11.50	43	710326	329.575	ug/l	99
60) Dibromochloromethane	11.66	129	368541	56.818	ug/l	100
61) 1,2-Dibromoethane	11.78	107	280757	57.626	ug/l	98
64) Tetrachloroethene	11.23	164	262118	45.749	ug/l	99
65) Chlorobenzene	12.38	112	916297	61.416	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.49	131	319336	55.280	ug/l	98
67) Ethyl Benzene	12.50	91	1113904	48.914	ug/l	98
68) m/p-Xylenes	12.65	106	838687	97.223	ug/l	97
69) o-Xylene	13.03	106	393629	47.022	ug/l	98
70) Styrene	13.05	104	717941	49.199	ug/l	95
71) Bromoform	13.22	173	217120	59.292	ug/l	100
73) Isopropylbenzene	13.38	105	1043492	45.736	ug/l	99
74) N-amyl acetate	13.25	43	349918	55.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.68	83	283396	58.883	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	285796	60.354	ug/l	99
77) Bromobenzene	13.65	156	332762	49.198	ug/l	90
78) n-propylbenzene	13.76	91	1291769	46.266	ug/l	100
79) 2-Chlorotoluene	13.83	91	747578	49.312	ug/l	96
80) 1,3,5-Trimethylbenzene	13.92	105	888656	50.201	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.45	75	86548	59.945	ug/l	98
82) 4-Chlorotoluene	13.93	91	845447	51.288	ug/l	89
83) tert-Butylbenzene	14.17	119	953171	43.086	ug/l	97
84) 1,2,4-Trimethylbenzene	14.22	105	892303	46.560	ug/l	99
85) sec-Butylbenzene	14.35	105	1024155	43.578	ug/l	99
86) p-Isopropyltoluene	14.48	119	838580	42.197	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	564113	49.251	ug/l	98
88) 1,4-Dichlorobenzene	14.52	146	586015	52.465	ug/l	95
89) n-Butylbenzene	14.78	91	764966	41.938	ug/l	99
90) Hexachloroethane	14.99	117	245491	43.725	ug/l	77
91) 1,2-Dichlorobenzene	14.79	146	483434	51.457	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.36	75	39120	69.303	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.92	180	259982	60.747	ug/l	95
94) Hexachlorobutadiene	16.02	225	144343	43.161	ug/l	99
95) Naphthalene	16.11	128	453840	69.571	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	145539	77.280	ug/l	96

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

