

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061359.D
 Acq On : 27 Mar 2019 17:56
 Operator : VA/AP
 Sample : K2047-04MS
 Misc : 5.40g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/30/2019 12:16:31 AM

Quant Time: Mar 28 09:31:37 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	630954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1139031	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	920181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	388029	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.42	65	269036	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	6.89	113	435058	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.39	98	928135	44.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.92%	
62) 4-Bromofluorobenzene	13.54	95	361123	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	334187	49.595	ug/l	99
3) Chloromethane	1.75	50	259811	47.277	ug/l	99
4) Vinyl Chloride	1.84	62	266457	52.808	ug/l	97
5) Bromomethane	2.15	94	51238	51.209	ug/l	93
6) Chloroethane	2.26	64	88984	60.137	ug/l	98
7) Trichlorofluoromethane	2.52	101	339522	46.273	ug/l	98
8) Diethyl Ether	2.85	74	123019	52.074	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	365213	46.299	ug/l	97
10) Methyl Iodide	3.29	142	565833	47.379	ug/l	99
11) Tert butyl alcohol	4.04	59	86813	258.631	ug/l	100
12) 1,1-Dichloroethene	3.11	96	327972	48.428	ug/l	99
13) Acrolein	3.02	56	47145	177.718	ug/l	97
14) Allyl chloride	3.60	41	482866	51.118	ug/l	97
15) Acrylonitrile	4.16	53	300086	257.580	ug/l	94
16) Acetone	3.20	43	487963	352.179	ug/l	97
17) Carbon Disulfide	3.36	76	1091541	49.606	ug/l	99
18) Methyl Acetate	3.61	43	170649	58.578	ug/l	95
19) Methyl tert-butyl Ether	4.21	73	615363	52.491	ug/l	100
20) Methylene Chloride	3.80	84	402213	51.892	ug/l	97
21) trans-1,2-Dichloroethene	4.19	96	357324	48.870	ug/l	97
22) Diisopropyl ether	5.08	45	1045844	52.321	ug/l	99
23) Vinyl Acetate	5.02	43	2459704	226.534	ug/l	99
24) 1,1-Dichloroethane	4.95	63	601452	51.199	ug/l	99
25) 2-Butanone	6.03	43	460973	264.486	ug/l	99
26) 2,2-Dichloropropane	6.00	77	461671	49.437	ug/l	98
27) cis-1,2-Dichloroethene	6.00	96	427239	53.331	ug/l	99
28) Bromochloromethane	6.41	49	232674	49.066	ug/l	90
29) Tetrahydrofuran	6.42	42	231180	273.658	ug/l	99
30) Chloroform	6.63	83	620157	51.091	ug/l	99
31) Cyclohexane	6.92	56	485679	52.318	ug/l	98
32) 1,1,1-Trichloroethane	6.84	97	525741	49.095	ug/l	97
36) 1,1-Dichloropropene	7.12	75	453674	45.636	ug/l	97
37) Ethyl Acetate	6.14	43	202779	47.695	ug/l	98
38) Carbon Tetrachloride	7.08	117	532375m	46.604	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	444624	42.944	ug/l	98
40) Benzene	7.42	78	1177065	47.178	ug/l	98
41) Methacrylonitrile	6.41	41	253513	50.997	ug/l	96
42) 1,2-Dichloroethane	7.55	62	372537	49.917	ug/l	99
43) Isopropyl Acetate	9.20	43	331098	53.524	ug/l	100
44) Trichloroethene	8.52	130	428254	46.124	ug/l	95
45) 1,2-Dichloropropane	8.91	63	295499	46.708	ug/l	98
46) Dibromomethane	9.04	93	202323	47.514	ug/l	97
47) Bromodichloromethane	9.34	83	478929	50.111	ug/l	96
48) Methyl methacrylate	9.09	41	158499	46.426	ug/l	99
49) 1,4-Dioxane	9.06	88	38211	1014.742	ug/l #	83
51) 4-Methyl-2-Pentanone	10.27	43	906194	240.784	ug/l	99
52) Toluene	10.48	92	716523	47.074	ug/l	98
53) t-1,3-Dichloropropene	10.89	75	436453	50.263	ug/l	98
54) cis-1,3-Dichloropropene	10.01	75	535772	50.672	ug/l	97
55) 1,1,2-Trichloroethane	11.16	97	253019	47.532	ug/l	97
56) Ethyl methacrylate	11.02	69	276111	48.284	ug/l	97
57) 1,3-Dichloropropane	11.38	76	377151	48.204	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	664141	238.481	ug/l	95
59) 2-Hexanone	11.51	43	665397	244.023	ug/l	97
60) Dibromochloromethane	11.66	129	402886	49.095	ug/l	95
61) 1,2-Dibromoethane	11.78	107	311961	50.611	ug/l	98
64) Tetrachloroethene	11.23	164	353896	49.004	ug/l	97
65) Chlorobenzene	12.37	112	1115948	59.342	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.49	131	366044	50.272	ug/l	97
67) Ethyl Benzene	12.50	91	1384122	48.220	ug/l	100
68) m/p-Xylenes	12.65	106	1001306	92.089	ug/l	99
69) o-Xylene	13.03	106	433377	41.072	ug/l	98
70) Styrene	13.05	104	838792	45.603	ug/l	97
71) Bromoform	13.22	173	216182	46.837	ug/l	98
73) Isopropylbenzene	13.39	105	1321628	48.938	ug/l	99
74) N-amyl acetate	13.25	43	322623	42.884	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.68	83	289006	50.729	ug/l	96
76) 1,2,3-Trichloropropane	13.71	75	247538	44.162	ug/l	100
77) Bromobenzene	13.65	156	382606	47.788	ug/l	87
78) n-propylbenzene	13.75	91	1459808	44.170	ug/l	94
79) 2-Chlorotoluene	13.82	91	924684	51.528	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	1010812	48.240	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	91951	53.803	ug/l	96
82) 4-Chlorotoluene	13.93	91	997156	51.104	ug/l	94
83) tert-Butylbenzene	14.18	119	1222777	46.695	ug/l	94
84) 1,2,4-Trimethylbenzene	14.22	105	927906	40.904	ug/l	97
85) sec-Butylbenzene	14.35	105	1287453	46.279	ug/l	97
86) p-Isopropyltoluene	14.47	119	1054132	44.811	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	630856	46.531	ug/l	95
88) 1,4-Dichlorobenzene	14.52	146	624269	47.216	ug/l	97
89) n-Butylbenzene	14.79	91	900034	41.685	ug/l	97
90) Hexachloroethane	14.99	117	315766	47.514	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	534383	48.053	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	37676	56.387	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	256497	50.632	ug/l	94
94) Hexachlorobutadiene	16.03	225	155630	39.314	ug/l	98
95) Naphthalene	16.11	128	412616	53.436	ug/l	100
96) 1,2,3-Trichlorobenzene	16.25	180	141572	63.507	ug/l	95

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

