

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061306.D
 Acq On : 25 Mar 2019 17:11
 Operator : VA/AP
 Sample : K2043-09MSD
 Misc : 5.67g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB441-190319-(23-25)MSD

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:28:49 PM

Quant Time: Mar 26 07:52:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	702415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1174926	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	898960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	357628	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	303988	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	6.93	113	478527	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
50) Toluene-d8	10.42	98	1072200	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	13.56	95	350649	41.23	ug/l	0.00
Spiked Amount			Recovery	=	82.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	397768	55.387	ug/l	99
3) Chloromethane	1.77	50	318683	56.885	ug/l	99
4) Vinyl Chloride	1.86	62	801053	152.926	ug/l	98
5) Bromomethane	2.17	94	64914	61.057	ug/l	94
6) Chloroethane	2.28	64	101169	61.392	ug/l	94
7) Trichlorofluoromethane	2.55	101	428989	55.405	ug/l	99
8) Diethyl Ether	2.89	74	143076	62.147	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.17	101	449146	56.992	ug/l	98
10) Methyl Iodide	3.32	142	685863	62.294	ug/l	100
11) Tert butyl alcohol	4.06	59	131112	406.418	ug/l	97
12) 1,1-Dichloroethene	3.14	96	401854	59.259	ug/l	99
13) Acrolein	3.05	56	58696	166.221	ug/l	96
14) Allyl chloride	3.64	41	562549	58.478	ug/l	97
15) Acrylonitrile	4.21	53	351239	309.587	ug/l	99
16) Acetone	3.23	43	537437	370.755	ug/l	93
17) Carbon Disulfide	3.40	76	1361821	60.467	ug/l	98
18) Methyl Acetate	3.66	43	170765	62.324	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	692552	57.990	ug/l	99
20) Methylene Chloride	3.83	84	460238	55.941	ug/l	97
21) trans-1,2-Dichloroethene	4.24	96	455633	60.060	ug/l	96
22) Diisopropyl ether	5.13	45	1227387	60.567	ug/l	97
23) Vinyl Acetate	5.07	43	3125452	288.768	ug/l	100
24) 1,1-Dichloroethane	5.00	63	733847	62.142	ug/l	99
25) 2-Butanone	6.08	43	498756	297.475	ug/l	99
26) 2,2-Dichloropropane	6.04	77	516696	51.528	ug/l	86
27) cis-1,2-Dichloroethene	6.06	96	2054916	251.706	ug/l	94
28) Bromochloromethane	6.45	49	229748	46.480	ug/l	96
29) Tetrahydrofuran	6.46	42	268439	321.659	ug/l	99
30) Chloroform	6.68	83	746547	59.324	ug/l	98
31) Cyclohexane	6.97	56	514649	53.694	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	601658	53.983	ug/l	98
36) 1,1-Dichloropropene	7.16	75	505539	52.590	ug/l	98
37) Ethyl Acetate	6.20	43	247262	61.583	ug/l #	81
38) Carbon Tetrachloride	7.12	117	570795m	51.953	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	468185	47.027	ug/l	99
40) Benzene	7.47	78	1335732	55.949	ug/l	99
41) Methacrylonitrile	6.45	41	292955	62.789	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	402372	54.079	ug/l	100
43) Isopropyl Acetate	9.25	43	346288	59.815	ug/l #	98
44) Trichloroethene	8.55	130	522494	60.515	ug/l	99
45) 1,2-Dichloropropane	8.95	63	372555	63.227	ug/l	99
46) Dibromomethane	9.07	93	243714	60.341	ug/l	98
47) Bromodichloromethane	9.38	83	552435	58.356	ug/l	99
48) Methyl methacrylate	9.13	41	189469	61.318	ug/l	96
49) 1,4-Dioxane	9.09	88	44242	1304.963	ug/l	96
51) 4-Methyl-2-Pentanone	10.31	43	1004920	291.592	ug/l	98
52) Toluene	10.52	92	780079	53.401	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	456176	55.448	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	594100	59.137	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	281028	57.947	ug/l	97
56) Ethyl methacrylate	11.05	69	322501	62.318	ug/l	99
57) 1,3-Dichloropropane	11.41	76	417181	56.958	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	757609	281.399	ug/l	98
59) 2-Hexanone	11.54	43	811679	324.278	ug/l	99
60) Dibromochloromethane	11.69	129	441664	58.145	ug/l	100
61) 1,2-Dibromoethane	11.81	107	335764	59.254	ug/l	99
64) Tetrachloroethene	11.27	164	365466	59.016	ug/l	97
65) Chlorobenzene	12.40	112	956517	57.767	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	391420	60.972	ug/l	98
67) Ethyl Benzene	12.53	91	1421018	56.077	ug/l	99
68) m/p-Xylenes	12.67	106	1039728	105.111	ug/l	97
69) o-Xylene	13.06	106	523665	57.081	ug/l	93
70) Styrene	13.08	104	876307	56.283	ug/l	97
71) Bromoform	13.23	173	228983	58.289	ug/l	97
73) Isopropylbenzene	13.41	105	1262207	54.263	ug/l	100
74) N-amyl acetate	13.26	43	426967	70.159	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	294073	65.193	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	300414	67.546	ug/l	99
77) Bromobenzene	13.68	156	371089	57.113	ug/l	91
78) n-propylbenzene	13.78	91	1383499	52.718	ug/l	98
79) 2-Chlorotoluene	13.84	91	804067	52.623	ug/l	97
80) 1,3,5-Trimethylbenzene	14.24	105	972435	52.993	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	104401	74.381	ug/l	92
82) 4-Chlorotoluene	13.95	91	906022	54.239	ug/l	95
83) tert-Butylbenzene	14.19	119	1048606	50.049	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	972435	52.993	ug/l	98
85) sec-Butylbenzene	14.37	105	1067949	45.769	ug/l	96
86) p-Isopropyltoluene	14.49	119	942665	45.283	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	632949	54.958	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	603346	54.082	ug/l	98
89) n-Butylbenzene	14.80	91	666363	36.055	ug/l	96
90) Hexachloroethane	15.01	117	248109	44.453	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	484875	52.763	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	38260	67.877	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	134210	31.622	ug/l	97
94) Hexachlorobutadiene	16.04	225	70076	20.491	ug/l	99
95) Naphthalene	16.13	128	295949	47.790	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	60104	30.321	ug/l	97

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

