

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064824.D
 Acq On : 09 Jan 2020 18:53
 Operator : VA/SY
 Sample : L1051-11MSD
 Misc : 6.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3H-(8.5-10.5)MSD

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:42:19 AM

Quant Time: Jan 10 06:02:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	850209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1263234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1093298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	515837	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	316499	42.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.44%	
35) Dibromofluoromethane	7.92	113	176839	22.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	45.64%	
50) Toluene-d8	10.34	98	1572788	52.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.64	95	450723	48.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	121439	18.379	ug/l	97
3) Chloromethane	2.21	50	192442	20.825	ug/l	98
4) Vinyl Chloride	2.35	62	229850	20.400	ug/l	98
5) Bromomethane	2.77	94	150938	18.424	ug/l	94
6) Chloroethane	2.93	64	159558	21.135	ug/l	95
7) Trichlorofluoromethane	3.27	101	383131	20.195	ug/l	97
8) Diethyl Ether	3.71	74	65871	17.485	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	161712	20.583	ug/l	98
10) Methyl Iodide	4.30	142	176654	20.932	ug/l	99
11) Tert butyl alcohol	5.24	59	28973	67.433	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	167585	22.404	ug/l	98
13) Acrolein	3.93	56	5742	9.589	ug/l	91
14) Allyl chloride	4.71	41	245053	21.012	ug/l	99
15) Acrylonitrile	5.43	53	117022	74.575	ug/l	99
16) Acetone	4.16	43	137144	83.145	ug/l	98
17) Carbon Disulfide	4.40	76	453083	18.733	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	289933	17.451	ug/l	96
20) Methylene Chloride	4.97	84	179625	20.548	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	177056	20.785	ug/l	92
22) Diisopropyl ether	6.37	45	455576	19.585	ug/l	99
23) Vinyl Acetate	6.37	43	243930	18.486	ug/l #	74
24) 1,1-Dichloroethane	6.26	63	312757	22.396	ug/l	98
25) 2-Butanone	7.22	43	157090	76.229	ug/l	96
26) 2,2-Dichloropropane	7.20	77	274832	21.168	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	194867	21.196	ug/l	100
28) Bromochloromethane	7.55	49	105908	19.510	ug/l	97
29) Tetrahydrofuran	7.57	42	92249	71.983	ug/l	98
30) Chloroform	7.71	83	322346	22.001	ug/l	99
31) Cyclohexane	7.98	56	277940	19.883	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	306879	22.300	ug/l	98
36) 1,1-Dichloropropene	8.11	75	250174	20.576	ug/l	99
37) Ethyl Acetate	7.22	43	157090	32.888	ug/l #	1
38) Carbon Tetrachloride	8.10	117	276576	21.333	ug/l	100
39) Methylcyclohexane	9.36	83	280359	19.038	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.35	78	703476	21.194	ug/l	98
41) Methacrylonitrile	7.53	41	33816	12.202	ug/l #	76
42) 1,2-Dichloroethane	8.43	62	179376	18.701	ug/l	98
43) Isopropyl Acetate	8.46	43	51932	5.462	ug/l #	62
44) Trichloroethene	9.11	130	374210	38.378	ug/l	99
45) 1,2-Dichloropropane	9.39	63	164991	20.819	ug/l	99
46) Dibromomethane	9.48	93	73564	16.649	ug/l	97
47) Bromodichloromethane	9.67	83	229936	19.557	ug/l	99
48) Methyl methacrylate	9.45	41	8171m	1.825	ug/l	
49) 1,4-Dioxane	9.47	88	14978	293.989	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	337396	71.798	ug/l	100
52) Toluene	10.41	92	456512	20.964	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	196431	17.920	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	250452	19.377	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	93239	15.658	ug/l	95
56) Ethyl methacrylate	10.67	69	33206	4.465	ug/l #	73
57) 1,3-Dichloropropane	10.95	76	179776	17.535	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	234354	82.716	ug/l	98
59) 2-Hexanone	10.99	43	244094	76.531	ug/l	100
60) Dibromochloromethane	11.14	129	145673	17.691	ug/l	99
61) 1,2-Dibromoethane	11.25	107	96132	16.368	ug/l	97
64) Tetrachloroethene	10.88	164	307511	36.663	ug/l	99
65) Chlorobenzene	11.67	112	475009	20.934	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	175299	20.493	ug/l	99
67) Ethyl Benzene	11.75	91	878287	21.325	ug/l	99
68) m/p-Xylenes	11.86	106	674378	42.422	ug/l	97
69) o-Xylene	12.18	106	303107	21.109	ug/l	100
70) Stvrene	12.20	104	525073	20.833	ug/l	99
71) Bromoform	12.37	173	78702	16.133	ug/l #	98
73) Isopropylbenzene	12.48	105	820952	22.270	ug/l	99
74) N-amyl acetate	12.30	43	8564	1.087	ug/l #	89
76) 1,2,3-Trichloropropane	12.79	75	59240m	14.543	ug/l	
77) Bromobenzene	12.77	156	184197	20.336	ug/l	98
78) n-propylbenzene	12.83	91	946259	22.003	ug/l	100
79) 2-Chlorotoluene	12.91	91	519512	21.990	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	663673	21.917	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	30016	15.412	ug/l	95
82) 4-Chlorotoluene	13.01	91	548405	21.813	ug/l	100
83) tert-Butylbenzene	13.23	119	581142	22.104	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	663029	21.985	ug/l	98
85) sec-Butylbenzene	13.41	105	791332	21.954	ug/l	99
86) p-Isopropyltoluene	13.52	119	746037	21.646	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	365084	21.143	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	356027	20.989	ug/l	98
89) n-Butylbenzene	13.85	91	670748	21.611	ug/l	99
90) Hexachloroethane	14.12	117	143388	21.780	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	292489	19.865	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13748	14.645	ug/l	94
93) 1,2,4-Trichlorobenzene	15.17	180	202871	18.713	ug/l	99
94) Hexachlorobutadiene	15.28	225	128066	18.772	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.41	128	281810	16.431	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	168443	18.200	ug/l	99

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

