

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020320\
 Data File : VD065057.D
 Acq On : 03 Feb 2020 17:03
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:21:17 AM

Quant Time: Feb 03 18:27:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	667330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	962656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	818197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	394288	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	270909	42.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.64%	
35) Dibromofluoromethane	7.91	113	290489	48.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.04%	
50) Toluene-d8	10.34	98	1247286	53.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.64	95	384206	53.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	262586	52.231	ug/l	99
3) Chloromethane	2.21	50	283346	38.455	ug/l	95
4) Vinyl Chloride	2.35	62	310491	36.689	ug/l	99
5) Bromomethane	2.77	94	196203	34.466	ug/l	96
6) Chloroethane	2.93	64	198684	35.611	ug/l	99
7) Trichlorofluoromethane	3.27	101	516465	39.516	ug/l	98
8) Diethyl Ether	3.71	74	149804	50.773	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	315493	51.885	ug/l	95
10) Methyl Iodide	4.29	142	483037	74.838	ug/l	96
11) Tert butyl alcohol	5.24	59	84001	237.471	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	303580	52.261	ug/l	89
13) Acrolein	3.93	56	104885	236.526	ug/l	90
14) Allyl chloride	4.71	41	473814	51.142	ug/l	93
15) Acrylonitrile	5.43	53	378998	296.629	ug/l	89
16) Acetone	4.16	43	334919	217.685	ug/l	98
17) Carbon Disulfide	4.40	76	901117	47.134	ug/l	98
18) Methyl Acetate	4.72	43	146888	48.996	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	671691	51.750	ug/l #	1
20) Methylene Chloride	4.96	84	333370	54.079	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	341719	51.059	ug/l	97
22) Diisopropyl ether	6.37	45	924432	50.067	ug/l	95
23) Vinyl Acetate	6.31	43	2555250	236.370	ug/l	96
24) 1,1-Dichloroethane	6.26	63	567995	50.103	ug/l	95
25) 2-Butanone	7.22	43	409646	236.877	ug/l	99
26) 2,2-Dichloropropane	7.21	77	506846	49.291	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	381537	53.412	ug/l	94
28) Bromochloromethane	7.54	49	206874	45.630	ug/l	88
29) Tetrahydrofuran	7.57	42	246572	231.085	ug/l	97
30) Chloroform	7.71	83	594310	50.714	ug/l	96
31) Cyclohexane	7.97	56	2025271	181.603	ug/l #	67
32) 1,1,1-Trichloroethane	7.90	97	547500	50.220	ug/l	97
36) 1,1-Dichloropropene	8.11	75	463978	49.983	ug/l	97
37) Ethyl Acetate	7.30	43	175347	45.731	ug/l	98
38) Carbon Tetrachloride	8.10	117	486843	49.620	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	3362411	309.825	ug/l	97
40) Benzene	8.35	78	1298939	50.807	ug/l	100
41) Methacrylonitrile	7.54	41	123281m	59.685	ug/l	
42) 1,2-Dichloroethane	8.43	62	352894	46.338	ug/l #	75
43) Isopropyl Acetate	8.46	43	812952	111.617	ug/l #	74
44) Trichloroethene	9.11	130	393274	54.964	ug/l	97
45) 1,2-Dichloropropane	9.39	63	342450	55.254	ug/l	98
46) Dibromomethane	9.48	93	168353	49.754	ug/l	95
47) Bromodichloromethane	9.66	83	687674	78.102	ug/l	88
48) Methyl methacrylate	9.46	41	125002	37.295	ug/l	83
49) 1,4-Dioxane	9.47	88	38653	984.946	ug/l #	80
51) 4-Methyl-2-Pentanone	10.23	43	904488	248.190	ug/l	98
52) Toluene	10.41	92	855118	51.879	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	423704	50.519	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	511149	52.054	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	698269	153.200	ug/l #	24
56) Ethyl methacrylate	10.67	69	461966	84.758	ug/l	91
57) 1,3-Dichloropropane	10.95	76	390676	49.974	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	400093	220.954	ug/l	94
59) 2-Hexanone	10.99	43	506010	201.296	ug/l	81
60) Dibromochloromethane	11.14	129	303643	49.844	ug/l	98
61) 1,2-Dibromoethane	11.25	107	226301	51.564	ug/l #	63
64) Tetrachloroethene	10.88	164	350952	59.357	ug/l	99
65) Chlorobenzene	11.67	112	891603	53.671	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	332438	53.210	ug/l	99
67) Ethyl Benzene	11.75	91	3230519	109.536	ug/l	98
68) m/p-Xylenes	11.86	106	2937848	258.719	ug/l	98
69) o-Xylene	12.18	106	609199	60.449	ug/l	99
70) Styrene	12.20	104	993748	55.354	ug/l	100
71) Bromoform	12.37	173	175086	50.414	ug/l #	99
73) Isopropylbenzene	12.48	105	1816042	67.388	ug/l	99
74) N-amyl acetate	12.30	43	421273	69.859	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.74	83	222222	49.062	ug/l	92
76) 1,2,3-Trichloropropane	12.79	75	193396m	59.095	ug/l	
77) Bromobenzene	12.77	156	379662	57.579	ug/l	96
78) n-propylbenzene	12.83	91	2800279	87.375	ug/l	98
79) 2-Chlorotoluene	12.91	91	1204116	68.487	ug/l	90
80) 1,3,5-Trimethylbenzene	12.97	105	1908038	86.396	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	76593	49.973	ug/l	98
82) 4-Chlorotoluene	13.01	91	1031056	55.298	ug/l	100
83) tert-Butylbenzene	13.23	119	1108098	59.125	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	3021374	135.050	ug/l	99
85) sec-Butylbenzene	13.41	105	1577198	59.435	ug/l	97
86) p-Isopropyltoluene	13.53	119	1449649	58.379	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	695062	54.939	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	681855	54.302	ug/l	100
89) n-Butylbenzene	13.86	91	1462353	64.530	ug/l	93
90) Hexachloroethane	14.13	117	292073	60.993	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	597727	55.651	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	37152	51.255	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	453469	61.027	ug/l	97
94) Hexachlorobutadiene	15.28	225	284935	60.624	ug/l	98
95) Naphthalene	15.41	128	1658213	138.276	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	381676	59.242	ug/l	94

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

