

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064219.D
 Acq On : 15 Nov 2019 11:17
 Operator : VA/SY
 Sample : VD1115SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115SBS01

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:23:12 PM

Quant Time: Nov 16 05:37:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	643691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	903757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	778223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	371056	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	262519	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	7.91	113	268240	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
50) Toluene-d8	10.34	98	1006846	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.64	95	331369	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	113130	21.191	ug/l	98
3) Chloromethane	2.21	50	126483	22.088	ug/l	98
4) Vinyl Chloride	2.35	62	150239	24.535	ug/l	98
5) Bromomethane	2.76	94	99210	25.657	ug/l	97
6) Chloroethane	2.91	64	93092	23.791	ug/l	98
7) Trichlorofluoromethane	3.27	101	250917	25.273	ug/l	100
8) Diethyl Ether	3.70	74	56237	20.601	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	122737	21.630	ug/l	99
10) Methyl Iodide	4.29	142	123596	20.337	ug/l	99
11) Tert butyl alcohol	5.26	59	37815m	102.269	ug/l	
12) 1,1-Dichloroethene	4.06	96	117079	21.646	ug/l	90
13) Acrolein	3.92	56	24542	78.457	ug/l	96
14) Allyl chloride	4.71	41	188601	19.721	ug/l	94
15) Acrylonitrile	5.43	53	119616	102.784	ug/l	99
16) Acetone	4.17	43	102418	81.663	ug/l	97
17) Carbon Disulfide	4.39	76	351289	20.855	ug/l	97
18) Methyl Acetate	4.72	43	67991	19.410	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	258091	19.988	ug/l	97
20) Methylene Chloride	4.96	84	135344	21.364	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	128583	20.983	ug/l	94
22) Diisopropyl ether	6.36	45	357903	20.171	ug/l	96
23) Vinyl Acetate	6.31	43	1018710	102.995	ug/l	97
24) 1,1-Dichloroethane	6.26	63	212812	20.656	ug/l	99
25) 2-Butanone	7.22	43	155705	96.097	ug/l	98
26) 2,2-Dichloropropane	7.20	77	210308	20.815	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	137469	20.919	ug/l	97
28) Bromochloromethane	7.54	49	58305	16.255	ug/l	99
29) Tetrahydrofuran	7.57	42	100114	102.839	ug/l	98
30) Chloroform	7.71	83	229893	21.815	ug/l	97
31) Cyclohexane	7.98	56	213983	20.594	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	212276	21.036	ug/l	99
36) 1,1-Dichloropropene	8.11	75	177213	21.246	ug/l	100
37) Ethyl Acetate	7.30	43	71662	20.380	ug/l	97
38) Carbon Tetrachloride	8.10	117	191077	21.409	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	224405	21.262	ug/l	95
40) Benzene	8.35	78	475238	20.848	ug/l	96
41) Methacrylonitrile	7.54	41	43953	19.887	ug/l	88
42) 1,2-Dichloroethane	8.43	62	141750	20.704	ug/l	99
43) Isopropyl Acetate	8.46	43	143928	19.866	ug/l	99
44) Trichloroethene	9.11	130	144776	21.161	ug/l	100
45) 1,2-Dichloropropane	9.39	63	113772	20.505	ug/l	97
46) Dibromomethane	9.48	93	61179	20.596	ug/l	98
47) Bromodichloromethane	9.67	83	167354	20.916	ug/l	98
48) Methyl methacrylate	9.46	41	66760	18.844	ug/l	94
49) 1,4-Dioxane	9.47	88	15427	432.439	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	347720	100.083	ug/l	99
52) Toluene	10.40	92	309555	20.651	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	160043	19.966	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	191949	20.521	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	85070	21.111	ug/l	98
56) Ethyl methacrylate	10.67	69	113588	20.151	ug/l #	94
57) 1,3-Dichloropropane	10.95	76	145918	20.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	228470	100.060	ug/l	99
59) 2-Hexanone	10.98	43	240939	97.476	ug/l	98
60) Dibromochloromethane	11.14	129	114959	20.445	ug/l	97
61) 1,2-Dibromoethane	11.25	107	85723	21.240	ug/l	97
64) Tetrachloroethene	10.88	164	130418	21.790	ug/l	97
65) Chlorobenzene	11.67	112	326127	20.608	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	123417	20.510	ug/l	99
67) Ethyl Benzene	11.75	91	602900	21.062	ug/l	99
68) m/p-Xylenes	11.86	106	457939	41.737	ug/l	99
69) o-Xylene	12.18	106	212164	20.850	ug/l	100
70) Styrene	12.20	104	365922	20.601	ug/l	99
71) Bromoform	12.37	173	71897	20.995	ug/l #	99
73) Isopropylbenzene	12.48	105	592948	21.771	ug/l	99
74) N-amyl acetate	12.29	43	130974	20.364	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	91098	22.198	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	55589m	18.599	ug/l	
77) Bromobenzene	12.77	156	139107	21.024	ug/l	98
78) n-propylbenzene	12.83	91	675689	21.715	ug/l	100
79) 2-Chlorotoluene	12.91	91	367679	20.929	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	475014	21.226	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	28716	19.085	ug/l	92
82) 4-Chlorotoluene	13.01	91	387844	21.166	ug/l	99
83) tert-Butylbenzene	13.23	119	428039	21.691	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	463445	20.976	ug/l	99
85) sec-Butylbenzene	13.41	105	566960	21.391	ug/l	100
86) p-Isopropyltoluene	13.52	119	536452	21.290	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	260609	21.218	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	256339	21.384	ug/l	99
89) n-Butylbenzene	13.85	91	490999	21.569	ug/l	99
90) Hexachloroethane	14.12	117	99350	21.335	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	223270	21.477	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14714	20.053	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	167286	20.860	ug/l	98
94) Hexachlorobutadiene	15.27	225	109200	21.082	ug/l	98
95) Naphthalene	15.41	128	282536	21.492	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	144578	21.209	ug/l	98

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

