

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063896.D
 Acq On : 07 Oct 2019 12:49
 Operator : VA/SY
 Sample : VD1007SBSD01
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 1:46:04 PM

Quant Time: Oct 08 17:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	183089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	297898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	291616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	154652	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	86040	48.27	ug/l	0.00
Spiked Amount						
			Recovery	=	96.54%	
35) Dibromofluoromethane	7.92	113	87172	47.88	ug/l	0.00
Spiked Amount						
			Recovery	=	95.76%	
50) Toluene-d8	10.34	98	357898	48.43	ug/l	0.00
Spiked Amount						
			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.63	95	121010	47.13	ug/l	0.00
Spiked Amount						
			Recovery	=	94.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	27486	21.169	ug/l	96
3) Chloromethane	2.21	50	83864	21.406	ug/l	93
4) Vinyl Chloride	2.35	62	93410	22.259	ug/l	97
5) Bromomethane	2.76	94	55542	20.587	ug/l	98
6) Chloroethane	2.91	64	59639	21.489	ug/l	94
7) Trichlorofluoromethane	3.26	101	118629	21.381	ug/l	94
8) Diethyl Ether	3.70	74	20441	22.953	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	32717	21.302	ug/l	97
10) Methyl Iodide	4.29	142	44622	21.085	ug/l	98
11) Tert butyl alcohol	5.26	59	13979	108.340	ug/l	95
12) 1,1-Dichloroethene	4.06	96	35028	22.828	ug/l	89
13) Acrolein	3.93	56	16446	103.302	ug/l	97
14) Allyl chloride	4.70	41	53967	21.154	ug/l	98
15) Acrylonitrile	5.43	53	46664	118.848	ug/l	94
16) Acetone	4.17	43	46983	101.238	ug/l	96
17) Carbon Disulfide	4.40	76	119390	21.404	ug/l	99
18) Methyl Acetate	4.73	43	19935	21.962	ug/l #	89
19) Methyl tert-butyl Ether	5.48	73	89889	22.623	ug/l	99
20) Methylene Chloride	4.96	84	49959	22.613	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	41194	21.565	ug/l	98
22) Diisopropyl ether	6.37	45	114573	21.990	ug/l	96
23) Vinyl Acetate	6.31	43	349918	112.897	ug/l	100
24) 1,1-Dichloroethane	6.27	63	69614	21.692	ug/l #	92
25) 2-Butanone	7.22	43	60109	109.291	ug/l	92
26) 2,2-Dichloropropane	7.21	77	61576	21.211	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	47869	22.140	ug/l	97
28) Bromochloromethane	7.54	49	22773	19.833	ug/l	98
29) Tetrahydrofuran	7.57	42	35873	111.747	ug/l	98
30) Chloroform	7.71	83	72405	20.772	ug/l	91
31) Cyclohexane	7.98	56	64400	22.039	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	64553	21.590	ug/l	98
36) 1,1-Dichloropropene	8.11	75	56672	20.807	ug/l	98
37) Ethyl Acetate	7.30	43	23634	19.181	ug/l	97
38) Carbon Tetrachloride	8.09	117	59359	21.566	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	68561	20.472	ug/l	98
40) Benzene	8.35	78	165491	21.202	ug/l	98
41) Methacrylonitrile	7.53	41	17006	26.930	ug/l #	51
42) 1,2-Dichloroethane	8.43	62	47634	21.097	ug/l	98
43) Isopropyl Acetate	8.46	43	49344	21.602	ug/l	99
44) Trichloroethene	9.11	130	47227	20.982	ug/l	90
45) 1,2-Dichloropropane	9.40	63	39481	20.665	ug/l	91
46) Dibromomethane	9.48	93	24208	22.249	ug/l	98
47) Bromodichloromethane	9.66	83	56657	20.225	ug/l	97
48) Methyl methacrylate	9.46	41	22291	20.367	ug/l	95
49) 1,4-Dioxane	9.47	88	6566	442.098	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	129033	108.920	ug/l	98
52) Toluene	10.40	92	115163	21.492	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	56668	20.730	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	65606	20.849	ug/l	90
55) 1,1,2-Trichloroethane	10.80	97	34559	22.495	ug/l	96
56) Ethyl methacrylate	10.66	69	42816	22.008	ug/l	98
57) 1,3-Dichloropropane	10.95	76	58338	22.194	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	84857	101.474	ug/l	99
59) 2-Hexanone	10.98	43	92864	108.366	ug/l	100
60) Dibromochloromethane	11.14	129	40869	20.434	ug/l	97
61) 1,2-Dibromoethane	11.24	107	33748	22.659	ug/l	95
64) Tetrachloroethene	10.88	164	43873	22.038	ug/l	86
65) Chlorobenzene	11.67	112	123740	21.129	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	44771	20.747	ug/l	97
67) Ethyl Benzene	11.74	91	225253	21.330	ug/l	99
68) m/p-Xylenes	11.86	106	176430	43.285	ug/l	99
69) o-Xylene	12.18	106	80590	20.648	ug/l	96
70) Styrene	12.20	104	141829	21.466	ug/l	99
71) Bromoform	12.36	173	26117	22.551	ug/l #	97
73) Isopropylbenzene	12.48	105	220042	21.165	ug/l	100
74) N-amyl acetate	12.29	43	46981	20.989	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	37953	20.979	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	29820m	28.789	ug/l	
77) Bromobenzene	12.76	156	58700	22.662	ug/l	97
78) n-propylbenzene	12.82	91	266234	21.817	ug/l	98
79) 2-Chlorotoluene	12.91	91	146390	21.756	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	187450	21.612	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	13602	23.238	ug/l	97
82) 4-Chlorotoluene	13.00	91	153479	21.502	ug/l	100
83) tert-Butylbenzene	13.22	119	164130	21.262	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	189034	21.141	ug/l	100
85) sec-Butylbenzene	13.40	105	224911	21.575	ug/l	99
86) p-Isopropyltoluene	13.51	119	209458	21.234	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	108862	21.271	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	107638	21.318	ug/l	98
89) n-Butylbenzene	13.84	91	197200	21.477	ug/l	97
90) Hexachloroethane	14.11	117	37870	21.345	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	94756	21.484	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	6521	21.814	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	72373	21.266	ug/l	96
94) Hexachlorobutadiene	15.27	225	38410	20.452	ug/l	94
95) Naphthalene	15.40	128	122147	21.354	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	62051	21.133	ug/l	99

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

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