

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064616.D
 Acq On : 27 Dec 2019 00:37
 Operator : VA/SY
 Sample : VD1226SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS02

Manual Integrations
 APPROVED

apatel
 12/27/2019 2:07:21 PM

Quant Time: Dec 27 05:57:21 2019
 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	371306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	571346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	517716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	247613	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	192387	58.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.52%	
35) Dibromofluoromethane	7.92	113	196572	56.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.16%	
50) Toluene-d8	10.34	98	738434	55.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.00%	
62) 4-Bromofluorobenzene	12.64	95	233343	54.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	57496	19.925	ug/l	97
3) Chloromethane	2.21	50	86578	21.453	ug/l	97
4) Vinyl Chloride	2.35	62	99689	20.260	ug/l	97
5) Bromomethane	2.76	94	79924	22.339	ug/l	98
6) Chloroethane	2.92	64	71946	21.821	ug/l	100
7) Trichlorofluoromethane	3.27	101	168088	20.288	ug/l	94
8) Diethyl Ether	3.70	74	37748	22.944	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	69290	20.194	ug/l	99
10) Methyl Iodide	4.29	142	78612	21.329	ug/l	99
11) Tert butyl alcohol	5.25	59	21113	112.518	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	67072	20.532	ug/l	97
13) Acrolein	3.92	56	27117	103.695	ug/l	97
14) Allyl chloride	4.70	41	109514	21.502	ug/l	100
15) Acrylonitrile	5.43	53	77748	113.451	ug/l	99
16) Acetone	4.17	43	64448	89.389	ug/l	89
17) Carbon Disulfide	4.40	76	216667	20.512	ug/l	100
18) Methyl Acetate	4.73	43	43941	23.838	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	161640	22.277	ug/l	96
20) Methylene Chloride	4.96	84	86531	23.224	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	80571	21.657	ug/l	96
22) Diisopropyl ether	6.37	45	227787	22.423	ug/l	99
23) Vinyl Acetate	6.31	43	608919	105.666	ug/l	98
24) 1,1-Dichloroethane	6.27	63	136702	22.415	ug/l	98
25) 2-Butanone	7.22	43	95594	106.218	ug/l	97
26) 2,2-Dichloropropane	7.21	77	109669	19.341	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	91157	22.704	ug/l	97
28) Bromochloromethane	7.55	49	47716	20.127	ug/l	98
29) Tetrahydrofuran	7.57	42	61642	110.139	ug/l	98
30) Chloroform	7.71	83	144911	22.648	ug/l	95
31) Cyclohexane	7.99	56	117509	19.249	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	126373	21.027	ug/l	98
36) 1,1-Dichloropropene	8.11	75	108972	19.816	ug/l	100
37) Ethyl Acetate	7.30	43	45816	21.208	ug/l	99
38) Carbon Tetrachloride	8.10	117	114608	19.545	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	123753	18.580	ug/l	97
40) Benzene	8.35	78	307303	20.470	ug/l	100
41) Methacrylonitrile	7.53	41	25109	20.032	ug/l	91
42) 1,2-Dichloroethane	8.43	62	89818	20.704	ug/l	99
43) Isopropyl Acetate	8.46	43	88261	20.526	ug/l	100
44) Trichloroethene	9.11	130	89489	20.292	ug/l	98
45) 1,2-Dichloropropane	9.39	63	76326	21.294	ug/l	99
46) Dibromomethane	9.47	93	43095	21.565	ug/l	98
47) Bromodichloromethane	9.66	83	113570	21.357	ug/l #	99
48) Methyl methacrylate	9.46	41	39791	19.653	ug/l	87
49) 1,4-Dioxane	9.46	88	10090	437.879	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	216780	101.994	ug/l	99
52) Toluene	10.40	92	197439	20.046	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	99086	19.986	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	119586	20.456	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	56990	21.161	ug/l	95
56) Ethyl methacrylate	10.66	69	70035	20.822	ug/l	99
57) 1,3-Dichloropropane	10.95	76	97820	21.095	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	141410	110.352	ug/l	100
59) 2-Hexanone	10.98	43	142647	98.885	ug/l	99
60) Dibromochloromethane	11.14	129	76625	20.574	ug/l	99
61) 1,2-Dibromoethane	11.25	107	55875	21.035	ug/l	97
64) Tetrachloroethene	10.87	164	76234	19.194	ug/l	96
65) Chlorobenzene	11.67	112	217198	20.214	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	80745	19.933	ug/l	99
67) Ethyl Benzene	11.75	91	376788	19.319	ug/l	99
68) m/p-Xylenes	11.86	106	286054	38.000	ug/l	98
69) o-Xylene	12.18	106	133291	19.603	ug/l	99
70) Styrene	12.20	104	236699	19.832	ug/l	98
71) Bromoform	12.36	173	46246	20.020	ug/l #	99
73) Isopropylbenzene	12.48	105	351321	19.854	ug/l	99
74) N-amyl acetate	12.29	43	75349	19.920	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	58596	21.080	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	41747m	21.351	ug/l	
77) Bromobenzene	12.77	156	91658	21.081	ug/l	97
78) n-propylbenzene	12.83	91	411337	19.926	ug/l	100
79) 2-Chlorotoluene	12.91	91	230664	20.340	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	290150	19.961	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18387	19.667	ug/l	99
82) 4-Chlorotoluene	13.01	91	245140	20.313	ug/l	100
83) tert-Butylbenzene	13.23	119	255350	20.233	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	294874	20.369	ug/l	99
85) sec-Butylbenzene	13.41	105	335416	19.386	ug/l	99
86) p-Isopropyltoluene	13.52	119	319547	19.315	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	165861	20.011	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	169451	20.811	ug/l	99
89) n-Butylbenzene	13.85	91	284026	19.064	ug/l	100
90) Hexachloroethane	14.12	117	63706	20.159	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	147030	20.803	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9649	21.413	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	102679	19.731	ug/l	99
94) Hexachlorobutadiene	15.28	225	64397	19.665	ug/l	97
95) Naphthalene	15.41	128	165326	20.081	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	90323	20.331	ug/l	99

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

