

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064591.D
 Acq On : 26 Dec 2019 11:20
 Operator : VA/SY
 Sample : VD1226SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Manual Integrations
 APPROVED

apatel
 12/27/2019 2:06:58 PM

Quant Time: Dec 27 02:34:59 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	471956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	668661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	596620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	212982	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	7.91	113	215584	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.34	98	833700	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.64	95	266887	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72887	19.872	ug/l	98
3) Chloromethane	2.21	50	103324	20.143	ug/l	99
4) Vinyl Chloride	2.35	62	119688	19.137	ug/l	98
5) Bromomethane	2.76	94	88621	19.488	ug/l	92
6) Chloroethane	2.92	64	82837	19.766	ug/l	94
7) Trichlorofluoromethane	3.27	101	207675	19.720	ug/l	99
8) Diethyl Ether	3.70	74	40707	19.466	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	85132	19.520	ug/l	98
10) Methyl Iodide	4.29	142	87043	18.580	ug/l	99
11) Tert butyl alcohol	5.24	59	21990	92.199	ug/l	99
12) 1,1-Dichloroethene	4.06	96	83254	20.051	ug/l	96
13) Acrolein	3.93	56	27896	83.924	ug/l	98
14) Allyl chloride	4.71	41	130196	20.111	ug/l	99
15) Acrylonitrile	5.43	53	82951	95.229	ug/l	98
16) Acetone	4.16	43	80243	87.579	ug/l	98
17) Carbon Disulfide	4.40	76	267448	19.920	ug/l	100
18) Methyl Acetate	4.71	43	43024	18.363	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	175629	19.043	ug/l	92
20) Methylene Chloride	4.96	84	92896	18.774	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	92612	19.585	ug/l	92
22) Diisopropyl ether	6.37	45	249083	19.290	ug/l	97
23) Vinyl Acetate	6.31	43	704637	96.199	ug/l	99
24) 1,1-Dichloroethane	6.26	63	158066	20.391	ug/l	98
25) 2-Butanone	7.22	43	108433	94.789	ug/l	98
26) 2,2-Dichloropropane	7.21	77	142485	19.770	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	99091	19.417	ug/l	96
28) Bromochloromethane	7.54	49	53602	17.788	ug/l	96
29) Tetrahydrofuran	7.57	42	66288	93.181	ug/l	97
30) Chloroform	7.71	83	161794	19.894	ug/l	95
31) Cyclohexane	7.98	56	150547	19.401	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	149488	19.569	ug/l	99
36) 1,1-Dichloropropene	8.11	75	131215	20.388	ug/l	100
37) Ethyl Acetate	7.30	43	49248	19.479	ug/l	99
38) Carbon Tetrachloride	8.10	117	135413	19.732	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	160904	20.642	ug/l	100
40) Benzene	8.35	78	352609	20.070	ug/l	97
41) Methacrylonitrile	7.54	41	29789	20.307	ug/l #	93
42) 1,2-Dichloroethane	8.43	62	102413	20.172	ug/l	100
43) Isopropyl Acetate	8.46	43	96298	19.135	ug/l	96
44) Trichloroethene	9.11	130	103315	20.017	ug/l	90
45) 1,2-Dichloropropane	9.39	63	83428	19.888	ug/l	97
46) Dibromomethane	9.47	93	47100	20.139	ug/l	97
47) Bromodichloromethane	9.67	83	122543	19.691	ug/l	98
48) Methyl methacrylate	9.46	41	43090	18.185	ug/l	91
49) 1,4-Dioxane	9.47	88	9844	365.029	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	231899	93.229	ug/l	100
52) Toluene	10.40	92	226930	19.687	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	112770	19.436	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	137441	20.089	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	60659	19.245	ug/l	97
56) Ethyl methacrylate	10.66	69	74323	18.881	ug/l	98
57) 1,3-Dichloropropane	10.95	76	106762	19.673	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	149283	99.541	ug/l	99
59) 2-Hexanone	10.98	43	158338	93.787	ug/l	99
60) Dibromochloromethane	11.14	129	85232	19.555	ug/l	98
61) 1,2-Dibromoethane	11.25	107	61856	19.897	ug/l	96
64) Tetrachloroethene	10.87	164	88900	19.422	ug/l	97
65) Chlorobenzene	11.67	112	245277	19.808	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	91735	19.651	ug/l	98
67) Ethyl Benzene	11.75	91	437426	19.462	ug/l	100
68) m/p-Xylenes	11.86	106	337948	38.956	ug/l	99
69) o-Xylene	12.18	106	151588	19.346	ug/l	99
70) Styrene	12.20	104	265596	19.311	ug/l	99
71) Bromoform	12.36	173	50236	18.871	ug/l #	99
73) Isopropylbenzene	12.48	105	422065	20.330	ug/l	100
74) N-amyl acetate	12.29	43	87182	19.645	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	63089	19.345	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	47101m	20.532	ug/l	
77) Bromobenzene	12.77	156	102036	20.002	ug/l	98
78) n-propylbenzene	12.83	91	487871	20.143	ug/l	100
79) 2-Chlorotoluene	12.91	91	269998	20.293	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	345287	20.247	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21062	19.202	ug/l	96
82) 4-Chlorotoluene	13.01	91	281893	19.909	ug/l	98
83) tert-Butylbenzene	13.23	119	301403	20.355	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	339387	19.982	ug/l	98
85) sec-Butylbenzene	13.41	105	410912	20.242	ug/l	100
86) p-Isopropyltoluene	13.52	119	383815	19.774	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	193097	19.857	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	191669	20.064	ug/l	99
89) n-Butylbenzene	13.85	91	356395	20.389	ug/l	99
90) Hexachloroethane	14.12	117	71620	19.316	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	166405	20.068	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9941	18.803	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	120796	19.784	ug/l	98
94) Hexachlorobutadiene	15.28	225	75590	19.674	ug/l	98
95) Naphthalene	15.41	128	183813	19.030	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102090	19.586	ug/l	99

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

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