

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
 Data File : VD064673.D
 Acq On : 30 Dec 2019 12:46
 Operator : VA/SY
 Sample : VD1230SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1230SBS01

Manual Integrations
 APPROVED

apatel
 12/31/2019 11:47:26 AM

Quant Time: Dec 31 07:34:33 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	418325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	600612	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	525405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	251799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	179761	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	7.92	113	184087	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	10.34	98	720046	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.64	95	222901	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	68861	21.181	ug/l	93
3) Chloromethane	2.21	50	97609	21.468	ug/l	98
4) Vinyl Chloride	2.35	62	118012	21.288	ug/l	99
5) Bromomethane	2.76	94	81976	20.337	ug/l	93
6) Chloroethane	2.92	64	78346	21.091	ug/l	98
7) Trichlorofluoromethane	3.27	101	200591	21.490	ug/l	97
8) Diethyl Ether	3.71	74	37622	20.297	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84471	21.851	ug/l	98
10) Methyl Iodide	4.30	142	79569	19.162	ug/l	99
11) Tert butyl alcohol	5.26	59	19884	94.057	ug/l	99
12) 1,1-Dichloroethene	4.06	96	78831	21.419	ug/l	96
13) Acrolein	3.92	56	26245	89.080	ug/l	99
14) Allyl chloride	4.71	41	122515	21.351	ug/l	99
15) Acrylonitrile	5.43	53	77674	100.603	ug/l	99
16) Acetone	4.17	43	81255	99.997	ug/l	93
17) Carbon Disulfide	4.40	76	251108	21.101	ug/l	97
18) Methyl Acetate	4.72	43	40649	19.574	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	162650	19.897	ug/l	98
20) Methylene Chloride	4.96	84	88186	20.491	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	88047	21.007	ug/l	95
22) Diisopropyl ether	6.37	45	238413	20.831	ug/l	99
23) Vinyl Acetate	6.31	43	655523	100.967	ug/l	100
24) 1,1-Dichloroethane	6.27	63	145395	21.161	ug/l	98
25) 2-Butanone	7.22	43	103283	101.862	ug/l	95
26) 2,2-Dichloropropane	7.21	77	135871	21.269	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	94802	20.958	ug/l	98
28) Bromochloromethane	7.55	49	48703	18.234	ug/l	99
29) Tetrahydrofuran	7.57	42	62320	98.835	ug/l	99
30) Chloroform	7.71	83	151685	21.042	ug/l	100
31) Cyclohexane	7.99	56	144236	20.971	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	145099	21.430	ug/l	99
36) 1,1-Dichloropropene	8.11	75	123916	21.436	ug/l	98
37) Ethyl Acetate	7.30	43	44582	19.631	ug/l #	95
38) Carbon Tetrachloride	8.09	117	134438	21.810	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	152980	21.849	ug/l	97
40) Benzene	8.35	78	336160	21.301	ug/l	96
41) Methacrylonitrile	7.53	41	22049	16.734	ug/l #	59
42) 1,2-Dichloroethane	8.43	62	93389	20.478	ug/l	98
43) Isopropyl Acetate	8.46	43	87909	19.448	ug/l	98
44) Trichloroethene	9.11	130	99214	21.401	ug/l	98
45) 1,2-Dichloropropane	9.39	63	80408	21.340	ug/l	93
46) Dibromomethane	9.48	93	42705	20.328	ug/l	99
47) Bromodichloromethane	9.66	83	114504	20.483	ug/l	97
48) Methyl methacrylate	9.46	41	40230	18.902	ug/l	90
49) 1,4-Dioxane	9.46	88	9946	410.597	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	218333	97.720	ug/l	99
52) Toluene	10.40	92	216653	20.925	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	107339	20.596	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	128452	20.902	ug/l #	94
55) 1,1,2-Trichloroethane	10.80	97	58717	20.740	ug/l	97
56) Ethyl methacrylate	10.66	69	66394	18.778	ug/l	97
57) 1,3-Dichloropropane	10.95	76	100018	20.518	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	139391	103.476	ug/l	99
59) 2-Hexanone	10.98	43	148807	98.128	ug/l	98
60) Dibromochloromethane	11.14	129	79844	20.394	ug/l	100
61) 1,2-Dibromoethane	11.25	107	55668	19.936	ug/l	98
64) Tetrachloroethene	10.87	164	85719	21.266	ug/l	98
65) Chlorobenzene	11.67	112	227350	20.849	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	84271	20.499	ug/l	99
67) Ethyl Benzene	11.75	91	412086	20.820	ug/l	100
68) m/p-Xylenes	11.86	106	318835	41.735	ug/l	100
69) o-Xylene	12.18	106	143141	20.744	ug/l	98
70) Styrene	12.20	104	246490	20.351	ug/l	98
71) Bromoform	12.37	173	45555	19.432	ug/l #	99
73) Isopropylbenzene	12.48	105	397060	22.066	ug/l	100
74) N-amyl acetate	12.29	43	78232	20.339	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	61188	21.646	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	36747m	18.481	ug/l	
77) Bromobenzene	12.76	156	95168	21.524	ug/l	98
78) n-propylbenzene	12.83	91	466956	22.244	ug/l	99
79) 2-Chlorotoluene	12.91	91	254746	22.090	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	325450	22.018	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	19425	20.432	ug/l	92
82) 4-Chlorotoluene	13.01	91	268778	21.901	ug/l	99
83) tert-Butylbenzene	13.23	119	280123	21.827	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	320086	21.743	ug/l	99
85) sec-Butylbenzene	13.41	105	388730	22.094	ug/l	99
86) p-Isopropyltoluene	13.53	119	365955	21.752	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	178302	21.154	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	176743	21.345	ug/l	99
89) n-Butylbenzene	13.86	91	336461	22.208	ug/l	99
90) Hexachloroethane	14.12	117	68897	21.439	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	151233	21.042	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9793	21.371	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	108033	20.414	ug/l	99
94) Hexachlorobutadiene	15.28	225	69572	20.892	ug/l	98
95) Naphthalene	15.41	128	161972	19.347	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	92487	20.472	ug/l	97

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

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