

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064562.D
 Acq On : 23 Dec 2019 12:14
 Operator : VA/SY
 Sample : VD1223SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:04:08 AM

Quant Time: Dec 24 06:04:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	394616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	578473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	516445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	267057	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	182317	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	7.92	113	188924	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.34	98	701190	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.64	95	224761	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73336	20.510	ug/l	99
3) Chloromethane	2.21	50	94578	20.972	ug/l	99
4) Vinyl Chloride	2.35	62	111415	21.397	ug/l	100
5) Bromomethane	2.76	94	76775	19.938	ug/l	92
6) Chloroethane	2.92	64	76306	21.924	ug/l	100
7) Trichlorofluoromethane	3.27	101	192644	22.255	ug/l	95
8) Diethyl Ether	3.71	74	37786	21.006	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	79949	21.540	ug/l	100
10) Methyl Iodide	4.29	142	80666	20.580	ug/l	98
11) Tert butyl alcohol	5.26	59	27139m	119.362	ug/l	
12) 1,1-Dichloroethene	4.06	96	73397	20.635	ug/l	98
13) Acrolein	3.93	56	23790	76.711	ug/l	92
14) Allyl chloride	4.71	41	117814	21.224	ug/l	99
15) Acrylonitrile	5.43	53	77946	99.093	ug/l	99
16) Acetone	4.17	43	69883	96.818	ug/l	95
17) Carbon Disulfide	4.40	76	225248	19.995	ug/l	99
18) Methyl Acetate	4.73	43	42059	19.976	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	170591	20.908	ug/l	99
20) Methylene Chloride	4.96	84	92326	22.751	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	84282	20.948	ug/l	95
22) Diisopropyl ether	6.37	45	233652	21.322	ug/l	95
23) Vinyl Acetate	6.31	43	656836	101.673	ug/l	99
24) 1,1-Dichloroethane	6.27	63	143305	21.745	ug/l	97
25) 2-Butanone	7.22	43	99390	97.367	ug/l	99
26) 2,2-Dichloropropane	7.21	77	130760	22.816	ug/l	98
27) cis-1,2-Dichloroethene	7.22	96	91569	20.876	ug/l	98
28) Bromochloromethane	7.55	49	38184	16.954	ug/l	99
29) Tetrahydrofuran	7.57	42	64938	99.991	ug/l	95
30) Chloroform	7.71	83	146851	21.516	ug/l	93
31) Cyclohexane	7.98	56	135395	20.858	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	141428	22.351	ug/l	98
36) 1,1-Dichloropropene	8.11	75	114590	20.943	ug/l	99
37) Ethyl Acetate	7.30	43	43204	18.609	ug/l	96
38) Carbon Tetrachloride	8.10	117	127797	22.130	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	144024	21.220	ug/l	92
40) Benzene	8.35	78	317247	20.876	ug/l	100
41) Methacrylonitrile	7.53	41	30235	22.708	ug/l	97
42) 1,2-Dichloroethane	8.43	62	96048	21.673	ug/l	98
43) Isopropyl Acetate	8.46	43	93682	20.522	ug/l	99
44) Trichloroethene	9.11	130	95258	20.809	ug/l	97
45) 1,2-Dichloropropane	9.39	63	78291	21.541	ug/l	93
46) Dibromomethane	9.47	93	42361	20.651	ug/l	98
47) Bromodichloromethane	9.67	83	113232	21.483	ug/l	98
48) Methyl methacrylate	9.46	41	41420	19.829	ug/l	97
49) 1,4-Dioxane	9.47	88	9609	379.350	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	224510	99.399	ug/l	99
52) Toluene	10.40	92	211660	21.371	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	106707	21.243	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	128350	21.509	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	58757	20.919	ug/l	96
56) Ethyl methacrylate	10.67	69	71316	19.907	ug/l	97
57) 1,3-Dichloropropane	10.95	76	101734	21.277	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	153935	107.791	ug/l	99
59) 2-Hexanone	10.99	43	153697	98.067	ug/l	98
60) Dibromochloromethane	11.14	129	79310	20.826	ug/l	97
61) 1,2-Dibromoethane	11.25	107	55439	19.768	ug/l	100
64) Tetrachloroethene	10.88	164	82762	21.015	ug/l	94
65) Chlorobenzene	11.67	112	220910	20.509	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	85451	21.430	ug/l	98
67) Ethyl Benzene	11.75	91	393614	20.538	ug/l	99
68) m/p-Xylenes	11.86	106	308513	42.220	ug/l	99
69) o-Xylene	12.18	106	138599	20.537	ug/l	99
70) Styrene	12.20	104	240623	20.518	ug/l	99
71) Bromoform	12.36	173	47114	19.749	ug/l #	98
73) Isopropylbenzene	12.48	105	383211	19.952	ug/l	99
74) N-amyl acetate	12.30	43	85033	19.506	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	58197	18.323	ug/l	92
76) 1,2,3-Trichloropropane	12.78	75	37543m	17.095	ug/l	
77) Bromobenzene	12.77	156	93976	19.813	ug/l	100
78) n-propylbenzene	12.83	91	447948	20.213	ug/l	99
79) 2-Chlorotoluene	12.91	91	245396	20.124	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	314290	20.024	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19377	19.239	ug/l	98
82) 4-Chlorotoluene	13.01	91	257009	19.906	ug/l	100
83) tert-Butylbenzene	13.23	119	275691	20.204	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	308487	19.546	ug/l	100
85) sec-Butylbenzene	13.41	105	375680	20.059	ug/l	99
86) p-Isopropyltoluene	13.53	119	353262	19.979	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	177484	19.715	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	177398	19.959	ug/l	99
89) n-Butylbenzene	13.85	91	327610	20.403	ug/l	99
90) Hexachloroethane	14.12	117	68416	20.688	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	149185	19.391	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10113	18.553	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	117691	19.974	ug/l	97
94) Hexachlorobutadiene	15.28	225	71940	19.778	ug/l	98
95) Naphthalene	15.41	128	181973	18.506	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	97840	19.453	ug/l	99

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

