

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111419\
 Data File : VD064211.D
 Acq On : 14 Nov 2019 13:11
 Operator : VA/SY
 Sample : VD1114SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:12 PM

Quant Time: Nov 15 06:03:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	630353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	900281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	777271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	378371	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	267565	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	7.91	113	268314	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.34	98	1007266	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.64	95	338761	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	98998	18.936	ug/l	97
3) Chloromethane	2.21	50	123419	22.009	ug/l	97
4) Vinyl Chloride	2.35	62	138110	23.031	ug/l	99
5) Bromomethane	2.76	94	89667	23.680	ug/l	99
6) Chloroethane	2.91	64	91418	23.858	ug/l	99
7) Trichlorofluoromethane	3.27	101	229228	23.577	ug/l	95
8) Diethyl Ether	3.70	74	54194	20.273	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	111085	19.990	ug/l	99
10) Methyl Iodide	4.29	142	106456	18.132	ug/l	96
11) Tert butyl alcohol	5.26	59	38089	105.189	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	105002	19.824	ug/l	90
13) Acrolein	3.93	56	25548	83.401	ug/l	98
14) Allyl chloride	4.71	41	180184	19.240	ug/l	94
15) Acrylonitrile	5.43	53	121166	106.319	ug/l	98
16) Acetone	4.16	43	102393	83.371	ug/l	97
17) Carbon Disulfide	4.40	76	327442	19.851	ug/l	99
18) Methyl Acetate	4.73	43	66029	19.249	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	254561	20.132	ug/l	96
20) Methylene Chloride	4.96	84	121628	19.605	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	118938	19.820	ug/l	96
22) Diisopropyl ether	6.37	45	340054	19.570	ug/l	97
23) Vinyl Acetate	6.31	43	1019865	105.294	ug/l	99
24) 1,1-Dichloroethane	6.26	63	203026	20.123	ug/l	98
25) 2-Butanone	7.23	43	156201	98.443	ug/l	97
26) 2,2-Dichloropropane	7.21	77	194338	19.642	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	129913	20.187	ug/l	98
28) Bromochloromethane	7.55	49	60080	17.104	ug/l	97
29) Tetrahydrofuran	7.57	42	100683	105.612	ug/l	98
30) Chloroform	7.71	83	214904	20.824	ug/l	98
31) Cyclohexane	7.98	56	200365	19.692	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	198634	20.101	ug/l	100
36) 1,1-Dichloropropene	8.11	75	169628	20.415	ug/l	99
37) Ethyl Acetate	7.30	43	72672	20.747	ug/l	99
38) Carbon Tetrachloride	8.10	117	179012	20.135	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	207738	19.759	ug/l	96
40) Benzene	8.35	78	450619	19.844	ug/l	98
41) Methacrylonitrile	7.53	41	37469	17.019	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	136296	19.984	ug/l	99
43) Isopropyl Acetate	8.46	43	145872	20.212	ug/l	98
44) Trichloroethene	9.11	130	136356	20.007	ug/l	99
45) 1,2-Dichloropropane	9.39	63	110441	19.982	ug/l	97
46) Dibromomethane	9.48	93	59956	20.262	ug/l	99
47) Bromodichloromethane	9.66	83	161026	20.203	ug/l	98
48) Methyl methacrylate	9.46	41	65045	18.431	ug/l #	89
49) 1,4-Dioxane	9.46	88	14924	419.955	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	352145	101.748	ug/l	100
52) Toluene	10.40	92	296440	19.853	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	154131	19.303	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	182957	19.635	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	84556	21.065	ug/l	98
56) Ethyl methacrylate	10.66	69	110566	19.691	ug/l	96
57) 1,3-Dichloropropane	10.95	76	144347	20.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	231818	101.918	ug/l	100
59) 2-Hexanone	10.98	43	242781	98.600	ug/l	99
60) Dibromochloromethane	11.14	129	114461	20.435	ug/l	99
61) 1,2-Dibromoethane	11.25	107	80931	20.130	ug/l	99
64) Tetrachloroethene	10.87	164	117892	19.721	ug/l	97
65) Chlorobenzene	11.67	112	313524	19.836	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	117280	19.514	ug/l	99
67) Ethyl Benzene	11.75	91	573919	20.074	ug/l	100
68) m/p-Xylenes	11.86	106	435316	39.724	ug/l	97
69) o-Xylene	12.18	106	201231	19.799	ug/l	100
70) Styrene	12.20	104	348291	19.632	ug/l	99
71) Bromoform	12.36	173	70583	20.636	ug/l #	96
73) Isopropylbenzene	12.48	105	555483	20.001	ug/l	100
74) N-amyl acetate	12.29	43	134109	20.449	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	89143	21.302	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	66623m	21.860	ug/l	
77) Bromobenzene	12.77	156	134873	19.990	ug/l	98
78) n-propylbenzene	12.83	91	640957	20.200	ug/l	99
79) 2-Chlorotoluene	12.91	91	352212	19.661	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	456265	19.994	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31583	20.585	ug/l	98
82) 4-Chlorotoluene	13.01	91	366384	19.608	ug/l	99
83) tert-Butylbenzene	13.23	119	408381	20.295	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	442669	19.648	ug/l	100
85) sec-Butylbenzene	13.40	105	542352	20.067	ug/l	99
86) p-Isopropyltoluene	13.52	119	499878	19.455	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	248320	19.827	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	245912	20.117	ug/l	99
89) n-Butylbenzene	13.85	91	458560	19.754	ug/l	100
90) Hexachloroethane	14.12	117	93280	19.644	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	215019	20.283	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14930	19.954	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	162015	19.812	ug/l	100
94) Hexachlorobutadiene	15.27	225	105305	19.937	ug/l	99
95) Naphthalene	15.41	128	279825	20.874	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	139751	20.104	ug/l	100

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

