

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103119\
 Data File : VD064128.D
 Acq On : 31 Oct 2019 13:03
 Operator : VA/SY
 Sample : VD1031SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/1/2019 12:07:05 PM

Quant Time: Nov 01 06:03:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	219719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	328487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	319151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	171758	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	88659	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	7.91	113	100505	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.34	98	395171	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.64	95	133521	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	47961	21.377	ug/l	100
3) Chloromethane	2.21	50	80758	21.574	ug/l	91
4) Vinyl Chloride	2.35	62	85753	21.124	ug/l	100
5) Bromomethane	2.76	94	52582	19.876	ug/l	96
6) Chloroethane	2.92	64	52214	20.709	ug/l	94
7) Trichlorofluoromethane	3.27	101	115837	20.729	ug/l	97
8) Diethyl Ether	3.70	74	21041	21.662	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	42480	21.094	ug/l	97
10) Methyl Iodide	4.29	142	46010	18.441	ug/l #	75
11) Tert butyl alcohol	5.26	59	8828	91.814	ug/l	100
12) 1,1-Dichloroethene	4.06	96	40066	21.021	ug/l	96
13) Acrolein	3.93	56	9527	85.505	ug/l	98
14) Allyl chloride	4.71	41	46748	20.956	ug/l	99
15) Acrylonitrile	5.43	53	36543	101.847	ug/l	98
16) Acetone	4.16	43	31362	94.326	ug/l #	86
17) Carbon Disulfide	4.39	76	121293	20.709	ug/l	95
18) Methyl Acetate	4.73	43	16136	18.245	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	76148	19.689	ug/l #	88
20) Methylene Chloride	4.96	84	51533	21.977	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	44431	20.767	ug/l	84
22) Diisopropyl ether	6.36	45	95354	19.300	ug/l	91
23) Vinyl Acetate	6.30	43	268262	99.059	ug/l	99
24) 1,1-Dichloroethane	6.26	63	67981	20.377	ug/l	100
25) 2-Butanone	7.22	43	43585	94.823	ug/l	98
26) 2,2-Dichloropropane	7.21	77	62063	19.600	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	46440	19.398	ug/l	99
28) Bromochloromethane	7.56	49	19730	16.739	ug/l	97
29) Tetrahydrofuran	7.57	42	27816	103.691	ug/l	98
30) Chloroform	7.71	83	77692	20.351	ug/l	95
31) Cyclohexane	7.98	56	65397	20.120	ug/l #	82
32) 1,1,1-Trichloroethane	7.90	97	70641	19.878	ug/l	99
36) 1,1-Dichloropropene	8.11	75	61045	19.833	ug/l	98
37) Ethyl Acetate	7.30	43	20243	21.367	ug/l #	84
38) Carbon Tetrachloride	8.09	117	67296	20.039	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	72219	19.113	ug/l	96
40) Benzene	8.35	78	160167	19.082	ug/l	96
41) Methacrylonitrile	7.54	41	11106	20.313	ug/l	94
42) 1,2-Dichloroethane	8.43	62	45078	20.331	ug/l	97
43) Isopropyl Acetate	8.46	43	36047	18.827	ug/l #	87
44) Trichloroethene	9.11	130	52206	20.521	ug/l	92
45) 1,2-Dichloropropane	9.39	63	38035	19.553	ug/l #	87
46) Dibromomethane	9.48	93	22945	19.585	ug/l	97
47) Bromodichloromethane	9.67	83	59926	20.276	ug/l	88
48) Methyl methacrylate	9.46	41	19433	21.948	ug/l	93
49) 1,4-Dioxane	9.47	88	5759	429.445	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	100751	96.657	ug/l	100
52) Toluene	10.41	92	117715	20.012	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	53535	19.404	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	62358	19.212	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	31441	18.929	ug/l	94
56) Ethyl methacrylate	10.67	69	34636	19.139	ug/l	98
57) 1,3-Dichloropropane	10.95	76	53432	19.451	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	73556	101.080	ug/l	93
59) 2-Hexanone	10.99	43	70495	92.179	ug/l	98
60) Dibromochloromethane	11.14	129	41063	18.214	ug/l	88
61) 1,2-Dibromoethane	11.25	107	32269	19.424	ug/l	99
64) Tetrachloroethene	10.87	164	46540	20.298	ug/l	98
65) Chlorobenzene	11.67	112	128794	19.531	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.75	131	47829	19.384	ug/l	99
67) Ethyl Benzene	11.75	91	227398	19.387	ug/l	98
68) m/p-Xylenes	11.86	106	185375	39.293	ug/l	98
69) o-Xylene	12.18	106	82779	19.226	ug/l	100
70) Styrene	12.20	104	143187	19.282	ug/l	97
71) Bromoform	12.37	173	25111	19.055	ug/l #	99
73) Isopropylbenzene	12.48	105	225605	18.902	ug/l	96
74) N-amyl acetate	12.29	43	38085	19.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	35930	19.099	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	26852m	23.266	ug/l	
77) Bromobenzene	12.76	156	56733	19.687	ug/l	98
78) n-propylbenzene	12.83	91	271973	19.445	ug/l	98
79) 2-Chlorotoluene	12.91	91	150262	20.041	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	195404	19.562	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	11366	20.113	ug/l	97
82) 4-Chlorotoluene	13.01	91	155269	19.381	ug/l	99
83) tert-Butylbenzene	13.23	119	173783	19.370	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	195529	19.485	ug/l	99
85) sec-Butylbenzene	13.41	105	236602	19.203	ug/l	97
86) p-Isopropyltoluene	13.52	119	225660	19.493	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	114950	19.905	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	113122	19.871	ug/l	99
89) n-Butylbenzene	13.85	91	209288	19.601	ug/l	99
90) Hexachloroethane	14.11	117	40647	18.754	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	98749	19.869	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5913	21.521	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	73866	20.676	ug/l	98
94) Hexachlorobutadiene	15.27	225	44298	21.216	ug/l	96
95) Naphthalene	15.41	128	113932	19.555	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	62945	20.341	ug/l	97

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

