

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064354.D
 Acq On : 25 Nov 2019 12:11
 Operator : VA/SY
 Sample : VD1125SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1125SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 9:56:04 AM

Quant Time: Nov 26 05:51:09 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	539385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	762643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	661133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	323047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	228073	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.92	113	237150	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
50) Toluene-d8	10.34	98	877763	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.64	95	288421	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	81969	18.323	ug/l	98
3) Chloromethane	2.21	50	105205	21.925	ug/l	99
4) Vinyl Chloride	2.35	62	126670	24.686	ug/l	95
5) Bromomethane	2.76	94	84643	26.123	ug/l	98
6) Chloroethane	2.92	64	85402	26.047	ug/l	96
7) Trichlorofluoromethane	3.27	101	219172	26.345	ug/l	99
8) Diethyl Ether	3.70	74	46915	20.509	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97910	20.591	ug/l	98
10) Methyl Iodide	4.29	142	93817	18.613	ug/l	98
11) Tert butyl alcohol	5.24	59	33962	109.610	ug/l	96
12) 1,1-Dichloroethene	4.06	96	93186	20.560	ug/l	98
13) Acrolein	3.93	56	18362	70.052	ug/l	98
14) Allyl chloride	4.71	41	151670	18.927	ug/l	93
15) Acrylonitrile	5.43	53	103933	106.578	ug/l	98
16) Acetone	4.17	43	92655	88.166	ug/l	98
17) Carbon Disulfide	4.40	76	265208	18.790	ug/l	100
18) Methyl Acetate	4.72	43	60087	20.471	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	215088	19.879	ug/l	95
20) Methylene Chloride	4.96	84	105276	19.831	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	103317	20.120	ug/l	93
22) Diisopropyl ether	6.37	45	293885	19.766	ug/l	96
23) Vinyl Acetate	6.31	43	815961	98.450	ug/l	99
24) 1,1-Dichloroethane	6.26	63	179705	20.816	ug/l	99
25) 2-Butanone	7.22	43	129969	95.725	ug/l	95
26) 2,2-Dichloropropane	7.21	77	165823	19.586	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	113810	20.668	ug/l	96
28) Bromochloromethane	7.55	49	47987	15.966	ug/l	100
29) Tetrahydrofuran	7.57	42	81690	100.141	ug/l	97
30) Chloroform	7.71	83	193730	21.938	ug/l	99
31) Cyclohexane	7.98	56	166522	19.126	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	174405	20.626	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142519	20.248	ug/l	99
37) Ethyl Acetate	7.30	43	58889	19.846	ug/l #	95
38) Carbon Tetrachloride	8.10	117	156210	20.741	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	173742	19.508	ug/l	94
40) Benzene	8.35	78	391859	20.371	ug/l	99
41) Methacrylonitrile	7.53	41	31208	16.734	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	115450	19.983	ug/l	98
43) Isopropyl Acetate	8.46	43	120342	19.684	ug/l	99
44) Trichloroethene	9.11	130	119678	20.729	ug/l	98
45) 1,2-Dichloropropane	9.39	63	96584	20.628	ug/l	97
46) Dibromomethane	9.47	93	53262	21.249	ug/l	97
47) Bromodichloromethane	9.66	83	142057	21.040	ug/l	100
48) Methyl methacrylate	9.46	41	55561	18.585	ug/l	93
49) 1,4-Dioxane	9.47	88	12492	414.960	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	293169	99.995	ug/l	99
52) Toluene	10.40	92	263412	20.824	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	132077	19.526	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	160088	20.281	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	71937	21.156	ug/l	96
56) Ethyl methacrylate	10.66	69	91024	19.136	ug/l #	94
57) 1,3-Dichloropropane	10.95	76	125832	21.219	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	198720	103.134	ug/l	99
59) 2-Hexanone	10.99	43	198903	95.359	ug/l	98
60) Dibromochloromethane	11.14	129	97259	20.498	ug/l	99
61) 1,2-Dibromoethane	11.25	107	71473	20.986	ug/l	99
64) Tetrachloroethene	10.88	164	104970	20.644	ug/l	98
65) Chlorobenzene	11.67	112	281216	20.917	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	105208	20.580	ug/l	98
67) Ethyl Benzene	11.75	91	501260	20.613	ug/l	98
68) m/p-Xylenes	11.86	106	380297	40.799	ug/l	98
69) o-Xylene	12.18	106	171952	19.891	ug/l	98
70) Styrene	12.20	104	307414	20.372	ug/l	99
71) Bromoform	12.37	173	61113	21.006	ug/l	99
73) Isopropylbenzene	12.48	105	485701	20.484	ug/l	100
74) N-amyl acetate	12.29	43	107278	19.159	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	75972	21.263	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	47766m	18.357	ug/l	
77) Bromobenzene	12.77	156	117345	20.370	ug/l	98
78) n-propylbenzene	12.83	91	556662	20.548	ug/l	100
79) 2-Chlorotoluene	12.91	91	300603	19.654	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	391113	20.074	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24587	18.770	ug/l	96
82) 4-Chlorotoluene	13.01	91	315835	19.798	ug/l	98
83) tert-Butylbenzene	13.23	119	343992	20.022	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	388389	20.191	ug/l	99
85) sec-Butylbenzene	13.41	105	471294	20.425	ug/l	100
86) p-Isopropyltoluene	13.53	119	436107	19.880	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	217776	20.366	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	214631	20.565	ug/l	98
89) n-Butylbenzene	13.86	91	401812	20.274	ug/l	99
90) Hexachloroethane	14.12	117	78879	19.456	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	186415	20.597	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13440	21.039	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	140705	20.153	ug/l	99
94) Hexachlorobutadiene	15.28	225	90011	19.960	ug/l	98
95) Naphthalene	15.41	128	232069	20.277	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	121200	20.422	ug/l	99

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

