

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064636.D
 Acq On : 27 Dec 2019 11:05
 Operator : VA/SY
 Sample : VD1227SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:03:03 AM

Quant Time: Dec 30 01:16:29 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	408641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	594846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	525231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250274	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	184281	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	7.91	113	184952	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.34	98	717128	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.64	95	221150	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	60975	19.200	ug/l	86
3) Chloromethane	2.21	50	89524	20.156	ug/l	99
4) Vinyl Chloride	2.35	62	107429	19.838	ug/l	97
5) Bromomethane	2.76	94	76827	19.512	ug/l	93
6) Chloroethane	2.92	64	70766	19.502	ug/l	95
7) Trichlorofluoromethane	3.27	101	186605	20.465	ug/l	94
8) Diethyl Ether	3.70	74	33723	18.624	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	73264	19.401	ug/l	97
10) Methyl Iodide	4.30	142	70893	17.477	ug/l	99
11) Tert butyl alcohol	5.25	59	19111	92.543	ug/l	100
12) 1,1-Dichloroethene	4.06	96	68530	19.062	ug/l	92
13) Acrolein	3.92	56	24756	86.017	ug/l	93
14) Allyl chloride	4.71	41	107929	19.255	ug/l	99
15) Acrylonitrile	5.42	53	71322	94.565	ug/l	100
16) Acetone	4.16	43	70266	88.562	ug/l	94
17) Carbon Disulfide	4.40	76	225501	19.398	ug/l	98
18) Methyl Acetate	4.72	43	37054	18.265	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	147132	18.425	ug/l	94
20) Methylene Chloride	4.96	84	80323	18.740	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	79532	19.425	ug/l	97
22) Diisopropyl ether	6.37	45	215011	19.231	ug/l	95
23) Vinyl Acetate	6.31	43	588727	92.828	ug/l	99
24) 1,1-Dichloroethane	6.27	63	132976	19.812	ug/l	98
25) 2-Butanone	7.22	43	90036	90.902	ug/l	98
26) 2,2-Dichloropropane	7.21	77	119303	19.118	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	84163	19.047	ug/l	98
28) Bromochloromethane	7.54	49	50422	19.325	ug/l	99
29) Tetrahydrofuran	7.57	42	56641	91.957	ug/l	99
30) Chloroform	7.71	83	137204	19.484	ug/l	96
31) Cyclohexane	7.98	56	127661	19.001	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	130416	19.718	ug/l	98
36) 1,1-Dichloropropene	8.11	75	110506	19.301	ug/l	99
37) Ethyl Acetate	7.30	43	41957	18.654	ug/l	97
38) Carbon Tetrachloride	8.10	117	119400	19.558	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	130872	18.873	ug/l	99
40) Benzene	8.35	78	298346	19.088	ug/l	97
41) Methacrylonitrile	7.53	41	24373m	18.677	ug/l	
42) 1,2-Dichloroethane	8.43	62	85601	18.953	ug/l	99
43) Isopropyl Acetate	8.46	43	80463	17.973	ug/l	99
44) Trichloroethene	9.11	130	86248	18.784	ug/l	90
45) 1,2-Dichloropropane	9.38	63	73162	19.605	ug/l	97
46) Dibromomethane	9.48	93	39688	19.075	ug/l	98
47) Bromodichloromethane	9.67	83	104661	18.904	ug/l #	99
48) Methyl methacrylate	9.46	41	39378	18.681	ug/l	95
49) 1,4-Dioxane	9.47	88	8526	355.388	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	198364	89.643	ug/l	98
52) Toluene	10.40	92	197083	19.220	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	95920	18.583	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	116121	19.079	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	53825	19.196	ug/l	92
56) Ethyl methacrylate	10.66	69	63396	18.104	ug/l	98
57) 1,3-Dichloropropane	10.95	76	90055	18.653	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	134811	101.046	ug/l	98
59) 2-Hexanone	10.99	43	135961	90.526	ug/l	98
60) Dibromochloromethane	11.14	129	73335	18.913	ug/l	100
61) 1,2-Dibromoethane	11.25	107	53689	19.413	ug/l	95
64) Tetrachloroethene	10.87	164	76217	18.915	ug/l	96
65) Chlorobenzene	11.67	112	208666	19.142	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	76439	18.600	ug/l	100
67) Ethyl Benzene	11.75	91	367671	18.582	ug/l	98
68) m/p-Xylenes	11.86	106	282133	36.943	ug/l	98
69) o-Xylene	12.18	106	126553	18.346	ug/l	99
70) Styrene	12.20	104	225290	18.606	ug/l	98
71) Bromoform	12.36	173	44004	18.776	ug/l #	98
73) Isopropylbenzene	12.48	105	346922	19.397	ug/l	99
74) N-amyl acetate	12.29	43	70726	18.499	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	56026	19.941	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	40722m	20.605	ug/l	
77) Bromobenzene	12.76	156	85099	19.364	ug/l	99
78) n-propylbenzene	12.83	91	413641	19.824	ug/l	99
79) 2-Chlorotoluene	12.91	91	224351	19.573	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	282897	19.255	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	17537	18.559	ug/l	98
82) 4-Chlorotoluene	13.01	91	236625	19.399	ug/l	100
83) tert-Butylbenzene	13.23	119	249995	19.598	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	285659	19.523	ug/l	99
85) sec-Butylbenzene	13.41	105	341233	19.512	ug/l	99
86) p-Isopropyltoluene	13.53	119	321393	19.220	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	158203	18.884	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	159511	19.382	ug/l	99
89) n-Butylbenzene	13.85	91	292719	19.439	ug/l	99
90) Hexachloroethane	14.12	117	61876	19.371	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	136241	19.072	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8815	19.354	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	97429	18.523	ug/l	98
94) Hexachlorobutadiene	15.28	225	62412	18.856	ug/l	99
95) Naphthalene	15.41	128	150792	18.121	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	85795	19.106	ug/l	99

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

