

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064659.D
 Acq On : 27 Dec 2019 23:54
 Operator : VA/SY
 Sample : VD1227SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:03:24 AM

Quant Time: Dec 30 04:11:53 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	7.99	168	404034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	612063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	557866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	194174	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
35) Dibromofluoromethane	7.92	113	189465	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.34	98	715910	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.64	95	233504	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56212	17.902	ug/l	100
3) Chloromethane	2.21	50	88696	20.198	ug/l	99
4) Vinyl Chloride	2.35	62	102074	19.064	ug/l	95
5) Bromomethane	2.75	94	77187	19.827	ug/l	92
6) Chloroethane	2.91	64	73348	20.444	ug/l	95
7) Trichlorofluoromethane	3.27	101	169905	18.846	ug/l	97
8) Diethyl Ether	3.71	74	38514	21.513	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	67763	18.149	ug/l	98
10) Methyl Iodide	4.29	142	72622	18.108	ug/l	99
11) Tert butyl alcohol	5.26	59	23557	115.373	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	66390	18.677	ug/l	99
13) Acrolein	3.92	56	27220	95.657	ug/l	99
14) Allyl chloride	4.71	41	107781	19.448	ug/l	99
15) Acrylonitrile	5.44	53	80697	108.216	ug/l	99
16) Acetone	4.17	43	67692	86.314	ug/l	94
17) Carbon Disulfide	4.40	76	210936	18.352	ug/l	97
18) Methyl Acetate	4.73	43	46548	23.207	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	165592	20.973	ug/l	96
20) Methylene Chloride	4.96	84	86407	20.866	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	76945	19.007	ug/l	97
22) Diisopropyl ether	6.37	45	230981	20.895	ug/l	97
23) Vinyl Acetate	6.31	43	649679	103.607	ug/l	99
24) 1,1-Dichloroethane	6.27	63	136690	20.598	ug/l	98
25) 2-Butanone	7.22	43	101246	103.385	ug/l	100
26) 2,2-Dichloropropane	7.21	77	104892	17.000	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	91708	20.991	ug/l	95
28) Bromochloromethane	7.55	49	48176	18.675	ug/l	98
29) Tetrahydrofuran	7.57	42	66352	108.951	ug/l	98
30) Chloroform	7.71	83	142658	20.489	ug/l	95
31) Cyclohexane	7.99	56	120212	18.096	ug/l #	96
32) 1,1,1-Trichloroethane	7.90	97	126122	19.286	ug/l	99
36) 1,1-Dichloropropene	8.11	75	105521	17.912	ug/l	98
37) Ethyl Acetate	7.30	43	48228	20.839	ug/l	96
38) Carbon Tetrachloride	8.10	117	109652	17.456	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	124755	17.485	ug/l	95
40) Benzene	8.35	78	308189	19.164	ug/l	97
41) Methacrylonitrile	7.53	41	27587	20.545	ug/l	95
42) 1,2-Dichloroethane	8.43	62	95765	20.607	ug/l	99
43) Isopropyl Acetate	8.46	43	91485	19.860	ug/l	100
44) Trichloroethene	9.11	130	87201	18.458	ug/l	95
45) 1,2-Dichloropropane	9.39	63	78541	20.455	ug/l	95
46) Dibromomethane	9.48	93	43938	20.524	ug/l	98
47) Bromodichloromethane	9.66	83	113356	19.899	ug/l	98
48) Methyl methacrylate	9.46	41	42598	19.640	ug/l	88
49) 1,4-Dioxane	9.47	88	10923	442.494	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	231333	101.601	ug/l	99
52) Toluene	10.41	92	201959	19.141	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	102878	19.370	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	123772	19.764	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	58418	20.248	ug/l	92
56) Ethyl methacrylate	10.66	69	70764	19.639	ug/l	95
57) 1,3-Dichloropropane	10.95	76	102232	20.580	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	145358	105.887	ug/l	99
59) 2-Hexanone	10.99	43	155424	100.574	ug/l	98
60) Dibromochloromethane	11.14	129	78777	19.745	ug/l	96
61) 1,2-Dibromoethane	11.25	107	56488	19.851	ug/l	98
64) Tetrachloroethene	10.88	164	79055	18.471	ug/l	94
65) Chlorobenzene	11.67	112	219019	18.916	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	83570	19.146	ug/l	97
67) Ethyl Benzene	11.74	91	377062	17.942	ug/l	99
68) m/p-Xylenes	11.86	106	292347	36.041	ug/l	99
69) o-Xylene	12.18	106	134399	18.344	ug/l	99
70) Styrene	12.20	104	236017	18.352	ug/l	100
71) Bromoform	12.37	173	48206	19.366	ug/l #	100
73) Isopropylbenzene	12.48	105	354016	17.669	ug/l	100
74) N-amyl acetate	12.29	43	81184	18.956	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	63510	20.179	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	38882m	17.562	ug/l	
77) Bromobenzene	12.77	156	91969	18.681	ug/l	97
78) n-propylbenzene	12.83	91	419491	17.947	ug/l	98
79) 2-Chlorotoluene	12.91	91	234809	18.287	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	297590	18.082	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	19599	18.515	ug/l	96
82) 4-Chlorotoluene	13.01	91	253634	18.562	ug/l	99
83) tert-Butylbenzene	13.23	119	249860	17.485	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	302611	18.462	ug/l	97
85) sec-Butylbenzene	13.41	105	344090	17.564	ug/l	99
86) p-Isopropyltoluene	13.52	119	317265	16.937	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	174964	18.643	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	174437	18.920	ug/l	99
89) n-Butylbenzene	13.85	91	293277	17.385	ug/l	100
90) Hexachloroethane	14.12	117	66887	18.693	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	151011	18.870	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10197	19.985	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	109287	18.547	ug/l	99
94) Hexachlorobutadiene	15.28	225	63477	17.119	ug/l	98
95) Naphthalene	15.41	128	176243	18.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	96154	19.115	ug/l	100

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

