

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121319\
 Data File : VD064509.D
 Acq On : 13 Dec 2019 16:22
 Operator : VA/SY
 Sample : VD1213SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:15:57 PM

Quant Time: Dec 16 05:44:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	400694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	588036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	531801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263386	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	182547	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
35) Dibromofluoromethane	7.92	113	185723	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.34	98	699044	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.64	95	229026	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77486	21.342	ug/l	96
3) Chloromethane	2.21	50	100585	21.965	ug/l	99
4) Vinyl Chloride	2.35	62	119289	22.561	ug/l	95
5) Bromomethane	2.76	94	81590	20.867	ug/l	92
6) Chloroethane	2.91	64	80586	22.803	ug/l	100
7) Trichlorofluoromethane	3.27	101	199738	22.724	ug/l	95
8) Diethyl Ether	3.71	74	39599	21.680	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	84559	22.437	ug/l	96
10) Methyl Iodide	4.29	142	85032	21.365	ug/l	99
11) Tert butyl alcohol	5.26	59	24055	104.193	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	79416	21.989	ug/l	93
13) Acrolein	3.92	56	28241	89.682	ug/l	99
14) Allyl chloride	4.71	41	123016	21.825	ug/l	98
15) Acrylonitrile	5.43	53	85489	107.034	ug/l	97
16) Acetone	4.17	43	80379	109.670	ug/l	96
17) Carbon Disulfide	4.40	76	239102	20.903	ug/l	99
18) Methyl Acetate	4.73	43	46669	21.830	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	176196	21.268	ug/l	96
20) Methylene Chloride	4.96	84	91439	22.070	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	88194	21.588	ug/l	97
22) Diisopropyl ether	6.37	45	240751	21.637	ug/l #	94
23) Vinyl Acetate	6.31	43	705704	107.580	ug/l	99
24) 1,1-Dichloroethane	6.27	63	146421	21.881	ug/l	97
25) 2-Butanone	7.23	43	110021	106.147	ug/l	97
26) 2,2-Dichloropropane	7.21	77	131792	22.647	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	95191	21.372	ug/l	98
28) Bromochloromethane	7.55	49	38714	16.929	ug/l	96
29) Tetrahydrofuran	7.57	42	69602	105.547	ug/l	98
30) Chloroform	7.71	83	151988	21.931	ug/l	94
31) Cyclohexane	7.99	56	139408	21.222	ug/l	90
32) 1,1,1-Trichloroethane	7.91	97	142848	22.233	ug/l	99
36) 1,1-Dichloropropene	8.11	75	122455	22.016	ug/l	99
37) Ethyl Acetate	7.30	43	46961	19.898	ug/l	97
38) Carbon Tetrachloride	8.09	117	131594	22.417	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	146957	21.300	ug/l	98
40) Benzene	8.35	78	329317	21.318	ug/l	99
41) Methacrylonitrile	7.53	41	28323	20.926	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	96857	21.500	ug/l	100
43) Isopropyl Acetate	8.46	43	99211	21.380	ug/l	99
44) Trichloroethene	9.11	130	98804	21.233	ug/l	91
45) 1,2-Dichloropropane	9.39	63	81486	22.056	ug/l	94
46) Dibromomethane	9.47	93	45194	21.674	ug/l	99
47) Bromodichloromethane	9.66	83	118114	22.045	ug/l	99
48) Methyl methacrylate	9.46	41	46573	21.933	ug/l	96
49) 1,4-Dioxane	9.46	88	11317	439.513	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	249009	108.453	ug/l	100
52) Toluene	10.40	92	215856	21.441	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	110254	21.592	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	130886	21.577	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	62077	21.742	ug/l	95
56) Ethyl methacrylate	10.66	69	78310	21.504	ug/l	99
57) 1,3-Dichloropropane	10.94	76	106233	21.857	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	166134	114.441	ug/l	100
59) 2-Hexanone	10.98	43	168918	106.026	ug/l	98
60) Dibromochloromethane	11.14	129	84941	21.942	ug/l	98
61) 1,2-Dibromoethane	11.25	107	62469	21.913	ug/l	95
64) Tetrachloroethene	10.88	164	85115	20.988	ug/l	96
65) Chlorobenzene	11.67	112	233280	21.032	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	87186	21.234	ug/l	99
67) Ethyl Benzene	11.74	91	413644	20.960	ug/l	99
68) m/p-Xylenes	11.86	106	314225	41.760	ug/l	100
69) o-Xylene	12.18	106	142533	20.510	ug/l	97
70) Styrene	12.20	104	252074	20.873	ug/l	99
71) Bromoform	12.37	173	51218	20.850	ug/l #	94
73) Isopropylbenzene	12.48	105	395422	20.874	ug/l	100
74) N-amyl acetate	12.29	43	88106	20.493	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	66053	21.086	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	48960m	22.604	ug/l	
77) Bromobenzene	12.76	156	98252	21.003	ug/l	100
78) n-propylbenzene	12.83	91	455831	20.856	ug/l	99
79) 2-Chlorotoluene	12.91	91	250969	20.868	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	324063	20.934	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21256	21.399	ug/l	99
82) 4-Chlorotoluene	13.01	91	264980	20.810	ug/l	100
83) tert-Butylbenzene	13.23	119	283793	21.087	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	321323	20.643	ug/l	98
85) sec-Butylbenzene	13.41	105	387366	20.972	ug/l	99
86) p-Isopropyltoluene	13.53	119	361698	20.742	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	181233	20.412	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	182036	20.767	ug/l	99
89) n-Butylbenzene	13.85	91	325811	20.574	ug/l	99
90) Hexachloroethane	14.12	117	69864	21.420	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	156246	20.592	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10153	18.972	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	119084	20.493	ug/l	99
94) Hexachlorobutadiene	15.28	225	74529	20.775	ug/l	99
95) Naphthalene	15.41	128	197622	20.378	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	103159	20.797	ug/l	98

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

