

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
 Data File : VD064752.D
 Acq On : 04 Jan 2020 01:06
 Operator : VA/SY
 Sample : VD0103SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

Manual Integrations
 APPROVED

apatel
 1/6/2020 10:50:07 AM

Quant Time: Jan 06 07:54:34 2020
 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	345351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	533487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	482475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235603	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	171384	56.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.56%	
35) Dibromofluoromethane	7.92	113	172060	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	10.34	98	650809	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.64	95	205450	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	53578	19.963	ug/l	99
3) Chloromethane	2.21	50	84850	22.605	ug/l	96
4) Vinyl Chloride	2.35	62	100171	21.888	ug/l	100
5) Bromomethane	2.76	94	75153	22.584	ug/l	95
6) Chloroethane	2.92	64	71316	23.256	ug/l	99
7) Trichlorofluoromethane	3.27	101	159894	20.749	ug/l	96
8) Diethyl Ether	3.70	74	34597	22.609	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	67122	21.032	ug/l	97
10) Methyl Iodide	4.29	142	71363	20.817	ug/l	98
11) Tert butyl alcohol	5.24	59	20206	115.777	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	65255	21.477	ug/l	95
13) Acrolein	3.92	56	20724	85.204	ug/l	94
14) Allyl chloride	4.71	41	105797	22.333	ug/l	99
15) Acrylonitrile	5.43	53	73793	115.772	ug/l	99
16) Acetone	4.17	43	59450	88.661	ug/l #	88
17) Carbon Disulfide	4.40	76	203984	20.763	ug/l	96
18) Methyl Acetate	4.73	43	43626	25.446	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	150721	22.334	ug/l	97
20) Methylene Chloride	4.96	84	83837	24.418	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	76859	22.212	ug/l	97
22) Diisopropyl ether	6.37	45	219775	23.260	ug/l #	97
23) Vinyl Acetate	6.31	43	584602	109.070	ug/l	99
24) 1,1-Dichloroethane	6.26	63	134209	23.660	ug/l	100
25) 2-Butanone	7.23	43	89977	107.490	ug/l	98
26) 2,2-Dichloropropane	7.21	77	104465	19.808	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	87254	23.365	ug/l	97
28) Bromochloromethane	7.54	49	47866	21.708	ug/l	97
29) Tetrahydrofuran	7.57	42	58620	112.611	ug/l	99
30) Chloroform	7.71	83	138520	23.276	ug/l	100
31) Cyclohexane	7.99	56	111738	19.679	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	126103	22.559	ug/l	99
36) 1,1-Dichloropropene	8.11	75	103126	20.084	ug/l	99
37) Ethyl Acetate	7.30	43	42045	20.843	ug/l	97
38) Carbon Tetrachloride	8.09	117	114440	20.901	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	118401	19.038	ug/l	91
40) Benzene	8.36	78	302822	21.603	ug/l	97
41) Methacrylonitrile	7.53	41	20524	17.536	ug/l #	74
42) 1,2-Dichloroethane	8.43	62	92393	22.809	ug/l	98
43) Isopropyl Acetate	8.46	43	83599	20.821	ug/l	98
44) Trichloroethene	9.11	130	84371	20.489	ug/l	92
45) 1,2-Dichloropropane	9.39	63	73731	22.030	ug/l	98
46) Dibromomethane	9.48	93	40051	21.464	ug/l	98
47) Bromodichloromethane	9.66	83	109802	22.114	ug/l	99
48) Methyl methacrylate	9.46	41	39813	21.059	ug/l	95
49) 1,4-Dioxane	9.47	88	9194	427.309	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	212040	106.844	ug/l	99
52) Toluene	10.40	92	194115	21.107	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	99330	21.457	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	116370	21.319	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	53992	21.470	ug/l	90
56) Ethyl methacrylate	10.66	69	64330	20.483	ug/l	96
57) 1,3-Dichloropropane	10.95	76	95116	21.967	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	131015	109.496	ug/l	100
59) 2-Hexanone	10.99	43	137385	101.996	ug/l	99
60) Dibromochloromethane	11.14	129	76210	21.915	ug/l	100
61) 1,2-Dibromoethane	11.25	107	51258	20.666	ug/l	94
64) Tetrachloroethene	10.88	164	75013	20.266	ug/l	96
65) Chlorobenzene	11.67	112	210889	21.060	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	79657	21.101	ug/l	98
67) Ethyl Benzene	11.75	91	365028	20.084	ug/l	99
68) m/p-Xylenes	11.86	106	283457	40.405	ug/l	98
69) o-Xylene	12.18	106	128159	20.225	ug/l	99
70) Styrene	12.20	104	231540	20.817	ug/l	99
71) Bromoform	12.37	173	45082	20.941	ug/l #	98
73) Isopropylbenzene	12.48	105	346425	20.576	ug/l	100
74) N-amyl acetate	12.30	43	74958	20.827	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	58361	22.066	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	35453m	19.056	ug/l	
77) Bromobenzene	12.77	156	88357	21.358	ug/l	99
78) n-propylbenzene	12.83	91	405646	20.652	ug/l	99
79) 2-Chlorotoluene	12.91	91	225711	20.918	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	285063	20.611	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	17334	19.486	ug/l	93
82) 4-Chlorotoluene	13.01	91	242647	21.131	ug/l	98
83) tert-Butylbenzene	13.23	119	241647	20.123	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	286828	20.823	ug/l	100
85) sec-Butylbenzene	13.41	105	335821	20.399	ug/l	99
86) p-Isopropyltoluene	13.53	119	313863	19.939	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	164986	20.920	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	162803	21.014	ug/l	97
89) n-Butylbenzene	13.85	91	281462	19.855	ug/l	99
90) Hexachloroethane	14.12	117	64500	21.450	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	142375	21.171	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8407	19.607	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	100374	20.271	ug/l	98
94) Hexachlorobutadiene	15.28	225	59901	19.224	ug/l	96
95) Naphthalene	15.41	128	155999	19.914	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	87818	20.774	ug/l	99

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

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