

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
 Data File : VD064751.D
 Acq On : 04 Jan 2020 00:38
 Operator : VA/SY
 Sample : VD0103SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

Manual Integrations
 APPROVED

apatel
 1/6/2020 10:50:04 AM

Quant Time: Jan 06 07:52:33 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	7.98	168	349723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	532041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	182344	59.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.26%	
35) Dibromofluoromethane	7.92	113	178334	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
50) Toluene-d8	10.34	98	661236	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.64	95	216398	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	49515	18.218	ug/l	95
3) Chloromethane	2.21	50	82435	21.687	ug/l	97
4) Vinyl Chloride	2.35	62	94650	20.423	ug/l	96
5) Bromomethane	2.76	94	71384	21.184	ug/l	93
6) Chloroethane	2.91	64	68541	22.071	ug/l	93
7) Trichlorofluoromethane	3.27	101	158932	20.367	ug/l	99
8) Diethyl Ether	3.70	74	33829	21.831	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	64854	20.068	ug/l	97
10) Methyl Iodide	4.29	142	66678	19.208	ug/l	99
11) Tert butyl alcohol	5.26	59	20632	116.740	ug/l	98
12) 1,1-Dichloroethene	4.06	96	61190	19.887	ug/l	92
13) Acrolein	3.92	56	22064	89.579	ug/l	97
14) Allyl chloride	4.71	41	99196	20.678	ug/l	98
15) Acrylonitrile	5.43	53	74313	115.131	ug/l	98
16) Acetone	4.16	43	62213	91.598	ug/l	96
17) Carbon Disulfide	4.40	76	193350	19.435	ug/l	98
18) Methyl Acetate	4.73	43	39699	22.866	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	151816	22.215	ug/l	97
20) Methylene Chloride	4.96	84	81446	23.205	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	72357	20.650	ug/l	93
22) Diisopropyl ether	6.37	45	215127	22.483	ug/l	95
23) Vinyl Acetate	6.31	43	585918	107.949	ug/l	99
24) 1,1-Dichloroethane	6.27	63	127388	22.177	ug/l	96
25) 2-Butanone	7.22	43	91371	107.791	ug/l	93
26) 2,2-Dichloropropane	7.21	77	99687	18.666	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	83382	22.049	ug/l	99
28) Bromochloromethane	7.55	49	48739	21.827	ug/l	99
29) Tetrahydrofuran	7.57	42	59511	112.893	ug/l	97
30) Chloroform	7.71	83	136200	22.600	ug/l	99
31) Cyclohexane	7.98	56	108563	18.881	ug/l #	96
32) 1,1,1-Trichloroethane	7.90	97	117270	20.717	ug/l	98
36) 1,1-Dichloropropene	8.11	75	101643	19.849	ug/l	98
37) Ethyl Acetate	7.30	43	40911	20.336	ug/l	96
38) Carbon Tetrachloride	8.10	117	108235	19.822	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	110332	17.789	ug/l	99
40) Benzene	8.35	78	292984	20.958	ug/l	99
41) Methacrylonitrile	7.53	41	21233	18.191	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	89708	22.207	ug/l	99
43) Isopropyl Acetate	8.46	43	81995	20.477	ug/l	99
44) Trichloroethene	9.11	130	81807	19.920	ug/l	95
45) 1,2-Dichloropropane	9.39	63	72236	21.642	ug/l	97
46) Dibromomethane	9.48	93	39960	21.473	ug/l	96
47) Bromodichloromethane	9.67	83	107319	21.672	ug/l	96
48) Methyl methacrylate	9.46	41	38985	20.677	ug/l	93
49) 1,4-Dioxane	9.47	88	8149	379.770	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	209605	105.904	ug/l	100
52) Toluene	10.40	92	186092	20.290	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	96100	20.816	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	114256	20.988	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	53282	21.246	ug/l	94
56) Ethyl methacrylate	10.67	69	66526	21.240	ug/l	97
57) 1,3-Dichloropropane	10.95	76	91674	21.230	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	136040	114.004	ug/l	100
59) 2-Hexanone	10.99	43	137066	102.035	ug/l	99
60) Dibromochloromethane	11.14	129	74468	21.472	ug/l	99
61) 1,2-Dibromoethane	11.25	107	52964	21.412	ug/l	99
64) Tetrachloroethene	10.88	164	76582	20.648	ug/l	97
65) Chlorobenzene	11.67	112	206262	20.556	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	76148	20.131	ug/l	97
67) Ethyl Benzene	11.75	91	353527	19.412	ug/l	99
68) m/p-Xylenes	11.86	106	268622	38.213	ug/l	97
69) o-Xylene	12.18	106	122157	19.239	ug/l	96
70) Styrene	12.20	104	221899	19.910	ug/l	99
71) Bromoform	12.37	173	44251	20.514	ug/l #	97
73) Isopropylbenzene	12.48	105	329001	19.119	ug/l	100
74) N-amyl acetate	12.30	43	75077	20.410	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	59571	22.037	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	37421m	19.680	ug/l	
77) Bromobenzene	12.77	156	86918	20.557	ug/l	98
78) n-propylbenzene	12.83	91	390715	19.463	ug/l	99
79) 2-Chlorotoluene	12.91	91	224439	20.352	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	275776	19.510	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17843	19.626	ug/l	98
82) 4-Chlorotoluene	13.01	91	233435	19.891	ug/l	98
83) tert-Butylbenzene	13.23	119	233353	19.014	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	287532	20.424	ug/l	97
85) sec-Butylbenzene	13.41	105	317585	18.875	ug/l	100
86) p-Isopropyltoluene	13.53	119	306312	19.039	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	161117	19.989	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	159426	20.134	ug/l	98
89) n-Butylbenzene	13.86	91	273039	18.846	ug/l	99
90) Hexachloroethane	14.12	117	62897	20.466	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	139250	20.260	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9216	21.031	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	98021	19.369	ug/l	99
94) Hexachlorobutadiene	15.28	225	57341	18.006	ug/l	98
95) Naphthalene	15.41	128	151318	18.900	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	85423	19.772	ug/l	99

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

