

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012220\
 Data File : VD064917.D
 Acq On : 22 Jan 2020 15:13
 Operator : VA/SY
 Sample : VD0122SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/23/2020 11:13:41 AM

Quant Time: Jan 22 23:46:55 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	370371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	543152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	474749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232689	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190054	58.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.38%	
35) Dibromofluoromethane	7.92	113	189006	56.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.44%	
50) Toluene-d8	10.34	98	698437	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
62) 4-Bromofluorobenzene	12.64	95	222937	55.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	57060	19.824	ug/l	99
3) Chloromethane	2.21	50	86455	21.477	ug/l	100
4) Vinyl Chloride	2.35	62	101960	20.773	ug/l	98
5) Bromomethane	2.76	94	70147	19.656	ug/l	98
6) Chloroethane	2.92	64	68563	20.848	ug/l	96
7) Trichlorofluoromethane	3.27	101	165459	20.021	ug/l	97
8) Diethyl Ether	3.70	74	34465	21.001	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78533	22.946	ug/l	98
10) Methyl Iodide	4.29	142	73240	19.922	ug/l	99
11) Tert butyl alcohol	5.25	59	17849	95.363	ug/l	97
12) 1,1-Dichloroethene	4.06	96	72651	22.296	ug/l	98
13) Acrolein	3.92	56	17987	68.956	ug/l	97
14) Allyl chloride	4.71	41	116132	22.859	ug/l	99
15) Acrylonitrile	5.43	53	75076	109.828	ug/l	98
16) Acetone	4.17	43	77267	107.442	ug/l	92
17) Carbon Disulfide	4.40	76	209602	19.894	ug/l	98
18) Methyl Acetate	4.72	43	40198	21.863	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	158232	21.863	ug/l	97
20) Methylene Chloride	4.96	84	99522	27.607	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	83038	22.377	ug/l	95
22) Diisopropyl ether	6.37	45	233809	23.074	ug/l	95
23) Vinyl Acetate	6.31	43	625537	108.823	ug/l	99
24) 1,1-Dichloroethane	6.27	63	144827	23.807	ug/l	99
25) 2-Butanone	7.23	43	99427	110.756	ug/l	100
26) 2,2-Dichloropropane	7.21	77	133407	23.587	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	89624	22.378	ug/l	97
28) Bromochloromethane	7.55	49	52021	21.998	ug/l #	100
29) Tetrahydrofuran	7.57	42	58115	104.099	ug/l	99
30) Chloroform	7.71	83	148886	23.328	ug/l	99
31) Cyclohexane	7.98	56	129076	21.197	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	140189	23.385	ug/l	98
36) 1,1-Dichloropropene	8.11	75	120411	23.033	ug/l	98
37) Ethyl Acetate	7.29	43	48149	23.444	ug/l	99
38) Carbon Tetrachloride	8.10	117	127860	22.937	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	133095	21.020	ug/l	94
40) Benzene	8.36	78	318239	22.299	ug/l	99
41) Methacrylonitrile	7.53	41	26576	22.303	ug/l	97
42) 1,2-Dichloroethane	8.43	62	97121	23.550	ug/l	99
43) Isopropyl Acetate	8.46	43	85883	21.009	ug/l	98
44) Trichloroethene	9.11	130	90461	21.577	ug/l	93
45) 1,2-Dichloropropane	9.39	63	79779	23.413	ug/l	95
46) Dibromomethane	9.48	93	41118	21.643	ug/l	98
47) Bromodichloromethane	9.67	83	114273	22.605	ug/l	99
48) Methyl methacrylate	9.46	41	39577	20.562	ug/l	92
49) 1,4-Dioxane	9.47	88	9698	442.713	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	212034	104.940	ug/l	99
52) Toluene	10.41	92	209113	22.334	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	102924	21.838	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	123853	22.286	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	56251	21.971	ug/l	95
56) Ethyl methacrylate	10.67	69	65199	20.391	ug/l	96
57) 1,3-Dichloropropane	10.95	76	97013	22.007	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	134359	110.292	ug/l	98
59) 2-Hexanone	10.99	43	146194	106.604	ug/l	96
60) Dibromochloromethane	11.14	129	78319	22.121	ug/l	100
61) 1,2-Dibromoethane	11.25	107	55151	21.840	ug/l	100
64) Tetrachloroethene	10.88	164	80403	22.075	ug/l	99
65) Chlorobenzene	11.68	112	220874	22.416	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	83171	22.391	ug/l	99
67) Ethyl Benzene	11.75	91	392497	21.946	ug/l	97
68) m/p-Xylenes	11.86	106	300374	43.514	ug/l	97
69) o-Xylene	12.18	106	135293	21.698	ug/l	99
70) Styrene	12.20	104	239375	21.872	ug/l	99
71) Bromoform	12.37	173	44695	21.099	ug/l #	99
73) Isopropylbenzene	12.48	105	373642	22.470	ug/l	99
74) N-amyl acetate	12.30	43	75101	21.128	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	57974	22.194	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	38754m	21.091	ug/l	
77) Bromobenzene	12.77	156	91608	22.421	ug/l	99
78) n-propylbenzene	12.83	91	447382	23.062	ug/l	98
79) 2-Chlorotoluene	12.91	91	243055	22.808	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	306430	22.433	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	19318	21.989	ug/l	96
82) 4-Chlorotoluene	13.01	91	256418	22.610	ug/l	100
83) tert-Butylbenzene	13.23	119	263446	22.213	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	311758	22.917	ug/l	97
85) sec-Butylbenzene	13.41	105	369495	22.725	ug/l	99
86) p-Isopropyltoluene	13.53	119	347409	22.346	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	171223	21.983	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	173172	22.632	ug/l	98
89) n-Butylbenzene	13.85	91	318209	22.728	ug/l	99
90) Hexachloroethane	14.12	117	68857	23.186	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	148403	22.344	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9437	22.285	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	102730	21.006	ug/l	98
94) Hexachlorobutadiene	15.28	225	68669	22.314	ug/l	99
95) Naphthalene	15.41	128	153677	19.864	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	90032	21.565	ug/l	98

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

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