

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066599.D
 Acq On : 10 Sep 2020 00:21
 Operator : VA/SY
 Sample : VD0909SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 10:47:08 AM

Quant Time: Sep 10 03:08:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	312295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	553296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	511033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	218964	57.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.90%	
35) Dibromofluoromethane	7.91	113	198425	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	10.34	98	717812	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.63	95	237988	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	66376	23.662	ug/l	94
3) Chloromethane	2.21	50	91110	23.069	ug/l	97
4) Vinyl Chloride	2.35	62	97888	22.347	ug/l	99
5) Bromomethane	2.76	94	72111	23.641	ug/l	90
6) Chloroethane	2.92	64	63402	22.788	ug/l	96
7) Trichlorofluoromethane	3.27	101	138747	21.441	ug/l	92
8) Diethyl Ether	3.71	74	36746	22.551	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	73990	21.127	ug/l	97
10) Methyl Iodide	4.30	142	63044	22.171	ug/l	99
11) Tert butyl alcohol	5.21	59	30718	103.330	ug/l #	87
12) 1,1-Dichloroethene	4.07	96	67519	21.459	ug/l	93
13) Acrolein	3.93	56	14492	93.802	ug/l	94
14) Allyl chloride	4.71	41	113283	21.969	ug/l	99
15) Acrylonitrile	5.43	53	81685	116.695	ug/l	98
16) Acetone	4.16	43	68890	99.090	ug/l	96
17) Carbon Disulfide	4.41	76	218578	21.132	ug/l	99
18) Methyl Acetate	4.71	43	44622	26.925	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	168557	22.845	ug/l	96
20) Methylene Chloride	4.96	84	109590	25.709	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	80911	21.655	ug/l	96
22) Diisopropyl ether	6.36	45	249847	23.561	ug/l	95
23) Vinyl Acetate	6.30	43	682969	113.179	ug/l	98
24) 1,1-Dichloroethane	6.27	63	150108	22.510	ug/l	96
25) 2-Butanone	7.21	43	103163	110.540	ug/l	98
26) 2,2-Dichloropropane	7.21	77	120196	19.650	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	90540	22.534	ug/l	98
28) Bromochloromethane	7.54	49	58032	22.604	ug/l	98
29) Tetrahydrofuran	7.56	42	68996	118.707	ug/l	98
30) Chloroform	7.71	83	162062	22.972	ug/l	97
31) Cyclohexane	7.98	56	122746	19.913	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	141165	21.283	ug/l	100
36) 1,1-Dichloropropene	8.11	75	118408	20.564	ug/l	100
37) Ethyl Acetate	7.29	43	49197	21.456	ug/l	98
38) Carbon Tetrachloride	8.09	117	124488	20.454	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	120527	18.745	ug/l	98
40) Benzene	8.34	78	332270	21.069	ug/l	100
41) Methacrylonitrile	7.52	41	22109	19.920	ug/l	89
42) 1,2-Dichloroethane	8.42	62	111421	21.806	ug/l	100
43) Isopropyl Acetate	8.45	43	90459	20.587	ug/l	97
44) Trichloroethene	9.11	130	85751	20.729	ug/l	99
45) 1,2-Dichloropropane	9.38	63	85940	21.670	ug/l	96
46) Dibromomethane	9.47	93	47262	21.600	ug/l	97
47) Bromodichloromethane	9.66	83	122782	20.741	ug/l	99
48) Methyl methacrylate	9.45	41	47247	21.265	ug/l	96
49) 1,4-Dioxane	9.46	88	10558	439.833	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	245246	110.669	ug/l	98
52) Toluene	10.40	92	214264	21.464	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	109228	20.902	ug/l	89
54) cis-1,3-Dichloropropene	10.08	75	133455	21.266	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	61244	21.770	ug/l	95
56) Ethyl methacrylate	10.66	69	69416	21.192	ug/l	96
57) 1,3-Dichloropropane	10.94	76	105017	21.312	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	182665	121.919	ug/l	100
59) 2-Hexanone	10.98	43	160008	107.371	ug/l	97
60) Dibromochloromethane	11.14	129	81246	21.839	ug/l	99
61) 1,2-Dibromoethane	11.24	107	59878	21.877	ug/l	99
64) Tetrachloroethene	10.87	164	70682	20.542	ug/l	96
65) Chlorobenzene	11.67	112	222212	21.068	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	81096	20.146	ug/l	97
67) Ethyl Benzene	11.74	91	392582	20.271	ug/l	99
68) m/p-Xylenes	11.85	106	295382	41.077	ug/l	99
69) o-Xylene	12.18	106	127343	19.760	ug/l	93
70) Styrene	12.19	104	226486	20.215	ug/l	97
71) Bromoform	12.36	173	43098	21.244	ug/l #	96
73) Isopropylbenzene	12.48	105	360603	20.692	ug/l	99
74) N-amyl acetate	12.29	43	81839	20.734	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	64919	21.086	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	50178m	22.166	ug/l	
77) Bromobenzene	12.76	156	82884	21.333	ug/l	99
78) n-propylbenzene	12.82	91	434712	20.577	ug/l	100
79) 2-Chlorotoluene	12.91	91	254094	21.440	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	308593	21.039	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	19038	19.635	ug/l	100
82) 4-Chlorotoluene	13.00	91	271941	21.457	ug/l	99
83) tert-Butylbenzene	13.23	119	244913	20.447	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	309809	21.215	ug/l	99
85) sec-Butylbenzene	13.40	105	350750	20.325	ug/l	97
86) p-Isopropyltoluene	13.52	119	313655	20.194	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	159648	20.698	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	155936	20.142	ug/l	97
89) n-Butylbenzene	13.84	91	291513	19.260	ug/l	98
90) Hexachloroethane	14.11	117	70068	20.936	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	136965	20.316	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10588	20.245	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	80480	19.891	ug/l	99
94) Hexachlorobutadiene	15.27	225	47455	19.523	ug/l	99
95) Naphthalene	15.40	128	148751	21.039	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	74589	21.623	ug/l	96

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

