

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066576.D
 Acq On : 09 Sep 2020 12:02
 Operator : VA/SY
 Sample : VD0909SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 10:46:47 AM

Quant Time: Sep 09 14:15:01 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	390971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	642785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	576818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	273471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	236895	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	7.91	113	222475	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.34	98	819224	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
62) 4-Bromofluorobenzene	12.63	95	275768	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	78634	22.161	ug/l	91
3) Chloromethane	2.21	50	95287	19.272	ug/l	99
4) Vinyl Chloride	2.35	62	114913	20.954	ug/l	97
5) Bromomethane	2.76	94	80718	20.608	ug/l	92
6) Chloroethane	2.92	64	73559	21.118	ug/l	89
7) Trichlorofluoromethane	3.27	101	156381	19.303	ug/l	99
8) Diethyl Ether	3.71	74	38637	18.940	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84685	19.315	ug/l	99
10) Methyl Iodide	4.30	142	70791	20.300	ug/l	99
11) Tert butyl alcohol	5.22	59	37037	97.467	ug/l	99
12) 1,1-Dichloroethene	4.06	96	75368	19.134	ug/l	93
13) Acrolein	3.92	56	18787	97.132	ug/l	93
14) Allyl chloride	4.71	41	119218	18.467	ug/l	94
15) Acrylonitrile	5.42	53	83416	95.187	ug/l	98
16) Acetone	4.16	43	92198	105.929	ug/l	96
17) Carbon Disulfide	4.41	76	246366	19.025	ug/l	99
18) Methyl Acetate	4.72	43	39512	19.044	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	177997	19.270	ug/l	99
20) Methylene Chloride	4.97	84	96550	15.832	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	88947	19.015	ug/l	97
22) Diisopropyl ether	6.36	45	253428	19.090	ug/l	93
23) Vinyl Acetate	6.30	43	729543	96.568	ug/l	97
24) 1,1-Dichloroethane	6.27	63	157573	18.875	ug/l	99
25) 2-Butanone	7.21	43	111388	95.335	ug/l	97
26) 2,2-Dichloropropane	7.20	77	153442	20.037	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	94698	18.826	ug/l	97
28) Bromochloromethane	7.55	49	56211	17.489	ug/l	99
29) Tetrahydrofuran	7.56	42	66552	91.460	ug/l	98
30) Chloroform	7.70	83	168783	19.110	ug/l	94
31) Cyclohexane	7.98	56	139485	18.075	ug/l	# 90
32) 1,1,1-Trichloroethane	7.90	97	158186	19.050	ug/l	100
36) 1,1-Dichloropropene	8.11	75	131123	19.602	ug/l	98
37) Ethyl Acetate	7.29	43	50549	18.977	ug/l	99
38) Carbon Tetrachloride	8.09	117	143452	20.288	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	145992	19.544	ug/l	93
40) Benzene	8.35	78	341435	18.636	ug/l	97
41) Methacrylonitrile	7.53	41	30243m	23.455	ug/l	
42) 1,2-Dichloroethane	8.43	62	113971	19.200	ug/l	98
43) Isopropyl Acetate	8.45	43	97295	19.060	ug/l	99
44) Trichloroethene	9.11	130	96119	20.001	ug/l	92
45) 1,2-Dichloropropane	9.38	63	85073	18.465	ug/l	94
46) Dibromomethane	9.47	93	49423	19.443	ug/l	97
47) Bromodichloromethane	9.66	83	129043	18.764	ug/l	96
48) Methyl methacrylate	9.45	41	45031	17.446	ug/l	91
49) 1,4-Dioxane	9.46	88	10398	372.862	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	249535	96.928	ug/l	97
52) Toluene	10.40	92	219977	18.968	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	118015	19.439	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	140473	19.268	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	61916	18.944	ug/l	93
56) Ethyl methacrylate	10.66	69	73640	19.351	ug/l	96
57) 1,3-Dichloropropane	10.94	76	110105	19.233	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	199503	114.619	ug/l	97
59) 2-Hexanone	10.98	43	167205	96.580	ug/l	99
60) Dibromochloromethane	11.14	129	84057	19.449	ug/l	98
61) 1,2-Dibromoethane	11.24	107	59799	18.807	ug/l	99
64) Tetrachloroethene	10.87	164	74821	19.265	ug/l	95
65) Chlorobenzene	11.67	112	225095	18.907	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	85152	18.741	ug/l	98
67) Ethyl Benzene	11.74	91	425901	19.483	ug/l	97
68) m/p-Xylenes	11.86	106	322470	39.729	ug/l	98
69) o-Xylene	12.18	106	137901	18.958	ug/l	96
70) Styrene	12.20	104	240147	18.990	ug/l	97
71) Bromoform	12.36	173	44158	19.284	ug/l #	100
73) Isopropylbenzene	12.48	105	398350	19.674	ug/l	99
74) N-amyl acetate	12.29	43	86179	18.793	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	69332	19.382	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	52449m	19.942	ug/l	
77) Bromobenzene	12.76	156	88904	19.695	ug/l	98
78) n-propylbenzene	12.82	91	484168	19.726	ug/l	100
79) 2-Chlorotoluene	12.91	91	270958	19.678	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	335874	19.709	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	20401	18.110	ug/l	95
82) 4-Chlorotoluene	13.00	91	285824	19.411	ug/l	98
83) tert-Butylbenzene	13.23	119	272794	19.602	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	338941	19.977	ug/l	97
85) sec-Butylbenzene	13.40	105	397031	19.802	ug/l	99
86) p-Isopropyltoluene	13.52	119	358925	19.889	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	172039	19.197	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	173029	19.237	ug/l	98
89) n-Butylbenzene	13.84	91	348007	19.789	ug/l	100
90) Hexachloroethane	14.11	117	73024	18.780	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	147483	18.828	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10837	17.834	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	94110	20.019	ug/l	99
94) Hexachlorobutadiene	15.27	225	57223	20.262	ug/l	99
95) Naphthalene	15.41	128	170947	20.810	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	82310	20.537	ug/l	99

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

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