

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066451.D
 Acq On : 28 Aug 2020 11:03
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 11:58:45 AM

Quant Time: Aug 29 00:58:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	159298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	217667	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	197907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	108166	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	101090	64.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.46%	
35) Dibromofluoromethane	7.91	113	77730	57.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.22%	
50) Toluene-d8	10.34	98	285994	57.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.86%	
62) 4-Bromofluorobenzene	12.63	95	100580	56.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	66194	48.878	ug/l	97
3) Chloromethane	2.21	50	40898	42.604	ug/l	98
4) Vinyl Chloride	2.34	62	49396	47.926	ug/l	98
5) Bromomethane	2.76	94	42774	55.484	ug/l	95
6) Chloroethane	2.92	64	34705	52.586	ug/l	96
7) Trichlorofluoromethane	3.27	101	156200	55.732	ug/l	98
8) Diethyl Ether	3.70	74	31671	50.435	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.09	101	66162	47.835	ug/l	94
10) Methyl Iodide	4.30	142	78346	49.664	ug/l	93
11) Tert butyl alcohol	5.21	59	31310	370.985	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	63319	48.769	ug/l	94
13) Acrolein	3.91	56	13824	199.332	ug/l	99
14) Allyl chloride	4.71	41	75601	43.626	ug/l #	82
15) Acrylonitrile	5.41	53	60039	238.296	ug/l	97
16) Acetone	4.15	43	77754	276.155	ug/l #	88
17) Carbon Disulfide	4.40	76	175759	44.669	ug/l	98
18) Methyl Acetate	4.71	43	24893	47.106	ug/l	92
19) Methyl tert-butyl Ether	5.47	73	174561	55.837	ug/l	98
20) Methylene Chloride	4.96	84	71857	47.434	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	74131	49.050	ug/l	94
22) Diisopropyl ether	6.36	45	151129	45.043	ug/l #	89
23) Vinyl Acetate	6.30	43	510113	245.592	ug/l	98
24) 1,1-Dichloroethane	6.26	63	112738	47.548	ug/l	98
25) 2-Butanone	7.21	43	81140	253.849	ug/l	92
26) 2,2-Dichloropropane	7.20	77	142932	56.244	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	83191	51.372	ug/l	97
28) Bromochloromethane	7.54	49	39432	48.281	ug/l	91
29) Tetrahydrofuran	7.56	42	41575	228.999	ug/l #	89
30) Chloroform	7.70	83	145556	53.059	ug/l	100
31) Cyclohexane	7.97	56	88469	40.797	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	161660	57.579	ug/l	99
36) 1,1-Dichloropropene	8.11	75	102452	51.585	ug/l	100
37) Ethyl Acetate	7.28	43	36021	53.325	ug/l #	88
38) Carbon Tetrachloride	8.09	117	154714	59.792	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	118874	50.811	ug/l	93
40) Benzene	8.34	78	269710	51.622	ug/l	99
41) Methacrylonitrile	7.53	41	21026m	50.475	ug/l	
42) 1,2-Dichloroethane	8.42	62	112056	60.895	ug/l	99
43) Isopropyl Acetate	8.45	43	70109	51.710	ug/l	98
44) Trichloroethene	9.10	130	89821	52.907	ug/l	95
45) 1,2-Dichloropropane	9.38	63	55722	47.044	ug/l	89
46) Dibromomethane	9.47	93	40310	54.659	ug/l	97
47) Bromodichloromethane	9.66	83	117668	58.019	ug/l	95
48) Methyl methacrylate	9.45	41	32798	46.911	ug/l #	90
49) 1,4-Dioxane	9.45	88	9430	1101.211	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	167069	254.722	ug/l	99
52) Toluene	10.40	92	191926	54.220	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	109980	57.150	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	112868	52.252	ug/l #	90
55) 1,1,2-Trichloroethane	10.80	97	50968	51.051	ug/l	91
56) Ethyl methacrylate	10.66	69	60426	52.283	ug/l #	88
57) 1,3-Dichloropropane	10.94	76	85037	51.493	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	119888	249.761	ug/l	90
59) 2-Hexanone	10.98	43	122125	263.974	ug/l	99
60) Dibromochloromethane	11.14	129	81425	54.107	ug/l	96
61) 1,2-Dibromoethane	11.24	107	49214	50.090	ug/l	99
64) Tetrachloroethene	10.87	164	80647	53.718	ug/l	98
65) Chlorobenzene	11.67	112	211830	53.800	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	88278	54.862	ug/l	99
67) Ethyl Benzene	11.74	91	374390	54.018	ug/l	94
68) m/p-Xylenes	11.85	106	288896	109.360	ug/l	97
69) o-Xylene	12.18	106	133179	54.192	ug/l	98
70) Styrene	12.20	104	231694	54.907	ug/l	98
71) Bromoform	12.36	173	50476	55.292	ug/l #	98
73) Isopropylbenzene	12.48	105	387129	53.427	ug/l	98
74) N-amyl acetate	12.29	43	62853	48.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	46712	45.128	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	35823m	47.077	ug/l	
77) Bromobenzene	12.76	156	97176	52.838	ug/l	95
78) n-propylbenzene	12.82	91	421793	50.768	ug/l	97
79) 2-Chlorotoluene	12.91	91	243503	51.316	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	332893	53.209	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	17841	49.767	ug/l #	84
82) 4-Chlorotoluene	13.01	91	259772	51.672	ug/l	97
83) tert-Butylbenzene	13.23	119	288198	53.035	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	330717	53.819	ug/l	97
85) sec-Butylbenzene	13.40	105	375648	52.761	ug/l	99
86) p-Isopropyltoluene	13.52	119	369684	53.849	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	181322	52.817	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	180137	52.259	ug/l	99
89) n-Butylbenzene	13.84	91	308208	50.875	ug/l	99
90) Hexachloroethane	14.11	117	67406	49.704	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	157841	53.408	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12209	56.237	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123291	53.437	ug/l	99
94) Hexachlorobutadiene	15.27	225	80548	56.178	ug/l	95
95) Naphthalene	15.41	128	202245	55.810	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	106161	53.713	ug/l	98

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

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