

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060520\
 Data File : VD065769.D
 Acq On : 05 Jun 2020 11:24
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/5/2020 4:12:42 PM

Quant Time: Jun 05 12:51:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 12:42:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	216656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	343709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	316162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	158668	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	42246	19.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.96%	
35) Dibromofluoromethane	7.91	113	40865	18.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.52%	
50) Toluene-d8	10.34	98	150079	18.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.86%	
62) 4-Bromofluorobenzene	12.64	95	52087	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	38157	21.61	ug/l	98
3) Chloromethane	2.21	50	63627	21.21	ug/l	99
4) Vinyl Chloride	2.35	62	73124	21.35	ug/l	99
5) Bromomethane	2.76	94	49869	20.80	ug/l	90
6) Chloroethane	2.91	64	48770	21.12	ug/l	99
7) Trichlorofluoromethane	3.27	101	81521	21.17	ug/l	92
8) Diethyl Ether	3.71	74	19199	19.69	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	47142	20.61	ug/l	99
10) Methyl Iodide	4.30	142	43070	21.59	ug/l	99
11) Tert butyl alcohol	5.23	59	15230	86.67	ug/l #	74
12) 1,1-Dichloroethene	4.07	96	43070	20.99	ug/l	97
13) Acrolein	3.91	56	13005	100.82	ug/l	96
14) Allyl chloride	4.71	41	68941	20.71	ug/l	97
15) Acrylonitrile	5.43	53	44779	101.40	ug/l	98
16) Acetone	4.16	43	39204	95.43	ug/l	90
17) Carbon Disulfide	4.40	76	145923	21.09	ug/l #	94
18) Methyl Acetate	4.72	43	19709	17.44	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	94539	20.93	ug/l	98
20) Methylene Chloride	4.96	84	50056	18.61	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	47210	19.89	ug/l	92
22) Diisopropyl ether	6.37	45	139899	20.91	ug/l	100
23) Vinyl Acetate	6.31	43	396218	108.11	ug/l	98
24) 1,1-Dichloroethane	6.27	63	84854	20.48	ug/l	96
25) 2-Butanone	7.21	43	55626	98.37	ug/l	96
26) 2,2-Dichloropropane	7.21	77	73726	20.02	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	53139	21.02	ug/l	98
28) Bromochloromethane	7.54	49	30733	19.66	ug/l	99
29) Tetrahydrofuran	7.57	42	36757	103.27	ug/l	98
30) Chloroform	7.71	83	87242	20.37	ug/l	98
31) Cyclohexane	7.98	56	79793	19.57	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	81737	20.70	ug/l	99
36) 1,1-Dichloropropene	8.11	75	69549	20.58	ug/l	99
37) Ethyl Acetate	7.30	43	25304	19.26	ug/l #	91
38) Carbon Tetrachloride	8.10	117	74023	20.88	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	80933	20.63	ug/l	98
40) Benzene	8.35	78	190205	20.83	ug/l	96
41) Methacrylonitrile	7.54	41	18236m	22.25	ug/l	
42) 1,2-Dichloroethane	8.43	62	56740	20.30	ug/l	99
43) Isopropyl Acetate	8.45	43	53084	20.59	ug/l	98
44) Trichloroethene	9.11	130	51845	20.44	ug/l	96
45) 1,2-Dichloropropane	9.38	63	47282	20.48	ug/l	98
46) Dibromomethane	9.48	93	25210	20.25	ug/l	99
47) Bromodichloromethane	9.66	83	67461	20.12	ug/l	98
48) Methyl methacrylate	9.46	41	26616	21.09	ug/l	97
49) 1,4-Dioxane	9.47	88	5477	418.62	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	131538	104.64	ug/l	97
52) Toluene	10.40	92	122635	20.96	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	61149	20.70	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	72946	20.84	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	34638	20.95	ug/l	91
56) Ethyl methacrylate	10.67	69	39084	20.86	ug/l	98
57) 1,3-Dichloropropane	10.95	76	57933	20.23	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	90030	102.49	ug/l	100
59) 2-Hexanone	10.99	43	88394	105.51	ug/l	99
60) Dibromochloromethane	11.14	129	45367	20.39	ug/l	100
61) 1,2-Dibromoethane	11.25	107	33167	20.59	ug/l	99
64) Tetrachloroethene	10.88	164	43940	20.07	ug/l	93
65) Chlorobenzene	11.67	112	128109	20.48	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	48699	21.02	ug/l	99
67) Ethyl Benzene	11.75	91	232142	20.99	ug/l	97
68) m/p-Xylenes	11.86	106	180478	42.39	ug/l	99
69) o-Xylene	12.18	106	80070	21.19	ug/l	99
70) Styrene	12.20	104	138985	21.29	ug/l	98
71) Bromoform	12.37	173	26594	21.01	ug/l	# 92
73) Isopropylbenzene	12.48	105	221945	20.77	ug/l	99
74) N-amyl acetate	12.29	43	49058	20.69	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	37860	20.38	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	21727m	17.48	ug/l	
77) Bromobenzene	12.76	156	53367	21.06	ug/l	99
78) n-propylbenzene	12.83	91	269596	20.79	ug/l	99
79) 2-Chlorotoluene	12.91	91	148059	20.80	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	184470	20.76	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11674	20.73	ug/l	97
82) 4-Chlorotoluene	13.01	91	157933	20.54	ug/l	100
83) tert-Butylbenzene	13.23	119	159709	20.77	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	186704	20.98	ug/l	100
85) sec-Butylbenzene	13.41	105	227949	21.15	ug/l	99
86) p-Isopropyltoluene	13.52	119	204136	20.86	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	106347	21.02	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	102207	20.25	ug/l	98
89) n-Butylbenzene	13.85	91	195313	20.76	ug/l	98
90) Hexachloroethane	14.12	117	41242	20.74	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	91669	21.13	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6097	19.84	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	59796	20.81	ug/l	98
94) Hexachlorobutadiene	15.27	225	36431	20.59	ug/l	94
95) Naphthalene	15.41	128	100632	20.98	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	52286	21.16	ug/l	98

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

