

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022621\
 Data File : VD068450.D
 Acq On : 26 Feb 2021 11:03
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:05:27 AM

Quant Time: Feb 26 12:47:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 12:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	308119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	528578	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	485052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	219468	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	16479	5.27	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.54%#		
35) Dibromofluoromethane	7.920	113	16497	5.29	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.58%#		
50) Toluene-d8	10.338	98	63182	4.91	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.82%#		
62) 4-Bromofluorobenzene	12.632	95	21164	5.02	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.04%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	15025	5.17	ug/l	77
3) Chloromethane	2.209	50	20178	5.80	ug/l	97
4) Vinyl Chloride	2.350	62	23379	5.62	ug/l	93
5) Bromomethane	2.767	94	17518	5.92	ug/l	96
6) Chloroethane	2.926	64	15743	5.84	ug/l	93
7) Trichlorofluoromethane	3.273	101	26434	5.24	ug/l	88
8) Diethyl Ether	3.714	74	7466	5.05	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	16160	5.27	ug/l	95
10) Methyl Iodide	4.308	142	12402	4.17	ug/l	96
11) Tert butyl alcohol	5.226	59	4753	30.09	ug/l #	74
12) 1,1-Dichloroethene	4.067	96	16082	5.38	ug/l	91
13) Acrolein	3.926	56	5078	26.98	ug/l	96
14) Allyl chloride	4.720	41	20324	5.24	ug/l	99
15) Acrylonitrile	5.432	53	15898	25.05	ug/l	97
16) Acetone	4.156	43	12355	25.24	ug/l #	88
17) Carbon Disulfide	4.408	76	51391	5.77	ug/l	98
18) Methyl Acetate	4.738	43	6693	5.05	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	32824m	4.93	ug/l	
20) Methylene Chloride	4.967	84	27138	6.89	ug/l #	84
21) trans-1,2-Dichloroethene	5.479	96	19470	5.60	ug/l	91
22) Diisopropyl ether	6.367	45	43553	5.08	ug/l #	89
23) Vinyl Acetate	6.308	43	100980	22.89	ug/l	99
24) 1,1-Dichloroethane	6.267	63	30912	5.28	ug/l	95
25) 2-Butanone	7.214	43	17017	24.83	ug/l	93
26) 2,2-Dichloropropane	7.214	77	26313	5.27	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	20560	5.23	ug/l	94
28) Bromochloromethane	7.549	49	11920	4.97	ug/l	84
29) Tetrahydrofuran	7.561	42	11175	25.08	ug/l	93
30) Chloroform	7.720	83	33916	5.55	ug/l	91
31) Cyclohexane	7.985	56	31282	5.87	ug/l #	81
32) 1,1,1-Trichloroethane	7.908	97	27831	5.29	ug/l #	72
36) 1,1-Dichloropropene	8.114	75	26604	5.55	ug/l	96
37) Ethyl Acetate	7.297	43	8275	5.21	ug/l #	93
38) Carbon Tetrachloride	8.097	117	24851	5.48	ug/l #	84
39) Methylcyclohexane	9.361	83	31869	5.41	ug/l	96
40) Benzene	8.349	78	73489	5.41	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	5891m	6.54	ug/l	
42) 1,2-Dichloroethane	8.432	62	19522	5.40	ug/l	95
43) Isopropyl Acetate	8.455	43	14757	4.86	ug/l	97
44) Trichloroethene	9.114	130	20954	5.66	ug/l	95
45) 1,2-Dichloropropane	9.391	63	16846	5.08	ug/l #	82
46) Dibromomethane	9.473	93	9567	5.36	ug/l	89
47) Bromodichloromethane	9.667	83	24054	5.19	ug/l	97
48) Methyl methacrylate	9.455	41	8997	5.82	ug/l	98
49) 1,4-Dioxane	9.461	88	2249	108.57	ug/l #	85
51) 4-Methyl-2-Pentanone	10.232	43	37756	24.12	ug/l	98
52) Toluene	10.402	92	45179	5.16	ug/l	91
53) t-1,3-Dichloropropene	10.626	75	22038	5.16	ug/l	93
54) cis-1,3-Dichloropropene	10.091	75	27035	5.14	ug/l	95
55) 1,1,2-Trichloroethane	10.796	97	13154	5.31	ug/l #	88
56) Ethyl methacrylate	10.661	69	13037	4.47	ug/l	96
57) 1,3-Dichloropropane	10.949	76	23565	5.43	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.943	63	37082	24.05	ug/l	91
59) 2-Hexanone	10.985	43	24332	22.98	ug/l	95
60) Dibromochloromethane	11.138	129	15772	5.12	ug/l	94
61) 1,2-Dibromoethane	11.249	107	12867	5.37	ug/l	100
64) Tetrachloroethene	10.879	164	17019	5.60	ug/l	92
65) Chlorobenzene	11.673	112	52034	5.50	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.743	131	17008	5.16	ug/l	96
67) Ethyl Benzene	11.749	91	87518	5.16	ug/l	99
68) m/p-Xylenes	11.855	106	66367	10.31	ug/l	99
69) o-Xylene	12.185	106	29598	5.01	ug/l	95
70) Styrene	12.196	104	49724	4.85	ug/l	98
71) Bromoform	12.361	173	8336	4.92	ug/l #	100
73) Isopropylbenzene	12.479	105	82869	5.14	ug/l	96
74) N-amyl acetate	12.290	43	12919	4.58	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	14558	5.24	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	10144m	4.87	ug/l	
77) Bromobenzene	12.761	156	19425	5.38	ug/l	95
78) n-propylbenzene	12.820	91	96910	5.01	ug/l	98
79) 2-Chlorotoluene	12.908	91	54576	5.10	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	66111	5.01	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.532	75	3772	4.52	ug/l	93
82) 4-Chlorotoluene	13.008	91	58140	5.13	ug/l	95
83) tert-Butylbenzene	13.220	119	57125	5.01	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	64598	4.90	ug/l	99
85) sec-Butylbenzene	13.402	105	80475	5.05	ug/l	98
86) p-Isopropyltoluene	13.514	119	70722	4.92	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	36897	5.26	ug/l	96
88) 1,4-Dichlorobenzene	13.590	146	37528	5.38	ug/l	93
89) n-Butylbenzene	13.837	91	69689	4.96	ug/l	96
90) Hexachloroethane	14.108	117	14017	5.25	ug/l	90
91) 1,2-Dichlorobenzene	13.884	146	30930	5.11	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.508	75	2789	6.69	ug/l	81
93) 1,2,4-Trichlorobenzene	15.161	180	24068	5.88	ug/l	95
94) Hexachlorobutadiene	15.267	225	13102	5.81	ug/l	98
95) Naphthalene	15.396	128	40802	5.41	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	21233	5.98	ug/l	95

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

