

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041323\
 Data File : VD075655.D
 Acq On : 13 Apr 2023 11:48
 Operator : KP/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

Quant Time: Apr 13 14:08:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:07:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	219601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	368943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	343922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	176262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	99624	47.794	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.580%		
35) Dibromofluoromethane	7.805	113	121862	49.108	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.220%		
50) Toluene-d8	10.269	98	554378	55.787	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	111.580%		
62) 4-Bromofluorobenzene	12.575	95	138586	52.468	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	98207	48.130	ug/l	98
3) Chloromethane	2.146	50	176392	47.875	ug/l	98
4) Vinyl Chloride	2.281	62	235992	48.269	ug/l	96
5) Bromomethane	2.687	94	180522	47.290	ug/l	97
6) Chloroethane	2.834	64	158386	48.116	ug/l	94
7) Trichlorofluoromethane	3.169	101	182847	48.267	ug/l	97
8) Diethyl Ether	3.593	74	56168	47.639	ug/l	67
9) 1,1,2-Trichlorotrifluo...	3.964	101	114708	48.287	ug/l	93
10) Methyl Iodide	4.164	142	167903	51.645	ug/l	91
11) Tert butyl alcohol	5.052	59	25069	239.639	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	121163	49.260	ug/l	87
13) Acrolein	3.799	56	51006	241.721	ug/l	98
14) Allyl chloride	4.563	41	112520	50.230	ug/l #	80
15) Acrylonitrile	5.258	53	108326	245.987	ug/l	97
16) Acetone	4.022	43	102069	267.288	ug/l #	77
17) Carbon Disulfide	4.269	76	388874	48.313	ug/l	97
18) Methyl Acetate	4.563	43	62997	48.921	ug/l #	71
19) Methyl tert-butyl Ether	5.322	73	242788	50.862	ug/l	96
20) Methylene Chloride	4.799	84	147939	50.092	ug/l #	73
21) trans-1,2-Dichloroethene	5.316	96	145173	49.557	ug/l #	70
22) Diisopropyl ether	6.216	45	259868	51.339	ug/l #	87
23) Vinyl Acetate	6.152	43	624913	265.794	ug/l #	84
24) 1,1-Dichloroethane	6.110	63	205007	48.877	ug/l #	96
25) 2-Butanone	7.081	43	125328	254.900	ug/l #	70
26) 2,2-Dichloropropane	7.075	77	181383	47.700	ug/l	92
27) cis-1,2-Dichloroethene	7.081	96	161222	49.682	ug/l	79
28) Bromochloromethane	7.422	49	63284	47.731	ug/l #	16
29) Tetrahydrofuran	7.440	42	68973	256.522	ug/l #	50
30) Chloroform	7.593	83	230507	48.477	ug/l	96
31) Cyclohexane	7.875	56	156670	47.897	ug/l #	77
32) 1,1,1-Trichloroethane	7.793	97	193494	49.906	ug/l	96
36) 1,1-Dichloropropene	8.010	75	174557	50.989	ug/l	95
37) Ethyl Acetate	7.169	43	50852	48.810	ug/l #	74
38) Carbon Tetrachloride	7.993	117	154214	51.154	ug/l	93
39) Methylcyclohexane	9.275	83	209560	52.937	ug/l	90
40) Benzene	8.252	78	533657	50.144	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	23370	46.744	ug/l #	46
42) 1,2-Dichloroethane	8.322	62	123363	51.033	ug/l	90
43) Isopropyl Acetate	8.357	43	97672	51.412	ug/l #	79
44) Trichloroethene	9.028	130	151605	50.335	ug/l	92
45) 1,2-Dichloropropane	9.304	63	119283	50.016	ug/l	97
46) Dibromomethane	9.393	93	76128	50.316	ug/l	96
47) Bromodichloromethane	9.587	83	173487	50.128	ug/l	97
48) Methyl methacrylate	9.381	41	45296	53.516	ug/l #	58
49) 1,4-Dioxane	9.381	88	15535	1034.906	ug/l #	74
51) 4-Methyl-2-Pentanone	10.157	43	286587	282.929	ug/l #	79
52) Toluene	10.334	92	400284	56.564	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	181290	54.644	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	219722	55.741	ug/l #	75
55) 1,1,2-Trichloroethane	10.734	97	116377	53.124	ug/l	94
56) Ethyl methacrylate	10.598	69	125170	58.059	ug/l #	67
57) 1,3-Dichloropropane	10.881	76	174947	52.603	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	262465	283.476	ug/l #	84
59) 2-Hexanone	10.922	43	203054	285.104	ug/l	73
60) Dibromochloromethane	11.075	129	137925	53.805	ug/l	96
61) 1,2-Dibromoethane	11.181	107	111926	53.560	ug/l	100
64) Tetrachloroethene	10.810	164	145318	58.670	ug/l	94
65) Chlorobenzene	11.610	112	374565	50.847	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	129783	51.248	ug/l	95
67) Ethyl Benzene	11.687	91	653229	54.640	ug/l	94
68) m/p-Xylenes	11.793	106	534991	109.193	ug/l	92
69) o-Xylene	12.122	106	248251	56.035	ug/l	91
70) Styrene	12.140	104	430753	52.913	ug/l	93
71) Bromoform	12.298	173	70685	53.395	ug/l #	95
73) Isopropylbenzene	12.422	105	619617	53.563	ug/l	97
74) N-amyl acetate	12.234	43	88499	52.062	ug/l #	72
75) 1,1,2,2-Tetrachloroethane	12.675	83	111009	49.400	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	63143m	50.455	ug/l	
77) Bromobenzene	12.704	156	149127	50.004	ug/l	89
78) n-propylbenzene	12.763	91	753457	53.136	ug/l	96
79) 2-Chlorotoluene	12.851	91	405521	50.422	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	508803	52.760	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.475	75	35222	53.110	ug/l #	70
82) 4-Chlorotoluene	12.951	91	422190	50.485	ug/l	93
83) tert-Butylbenzene	13.169	119	431024	53.007	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	514825	53.202	ug/l	94
85) sec-Butylbenzene	13.345	105	665783	53.074	ug/l	98
86) p-Isopropyltoluene	13.463	119	560480	53.669	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	314796	50.739	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	304855	49.736	ug/l	97
89) n-Butylbenzene	13.792	91	506423	52.645	ug/l	98
90) Hexachloroethane	14.057	117	101466	48.901	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	265853	50.022	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	14545	48.283	ug/l	75
93) 1,2,4-Trichlorobenzene	15.104	180	149261	48.273	ug/l	96
94) Hexachlorobutadiene	15.204	225	68709	46.492	ug/l	98
95) Naphthalene	15.334	128	292934	50.008	ug/l	100
96) 1,2,3-Trichlorobenzene	15.528	180	129004	47.402	ug/l	99

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

