

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053023\
 Data File : VD076271.D
 Acq On : 30 May 2023 12:59
 Operator : KP/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

Reviewed By :Krupa Patel 05/31/2023
 Supervised By :Mahesh Dadoda 05/31/2023

Quant Time: May 31 02:19:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	199951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	326946	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	298578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	160597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	87894	45.483	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.960%		
35) Dibromofluoromethane	7.805	113	108078	47.824	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.640%		
50) Toluene-d8	10.269	98	399591	45.358	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.720%		
62) 4-Bromofluorobenzene	12.575	95	119555	48.854	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	83666	46.395	ug/l	96
3) Chloromethane	2.146	50	153046	51.840	ug/l	98
4) Vinyl Chloride	2.281	62	199984	51.421	ug/l	97
5) Bromomethane	2.687	94	126723	48.398	ug/l	97
6) Chloroethane	2.828	64	142929	54.626	ug/l	97
7) Trichlorofluoromethane	3.170	101	166640	50.551	ug/l	98
8) Diethyl Ether	3.587	74	56705	52.308	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.964	101	111100	51.166	ug/l	97
10) Methyl Iodide	4.158	142	130538	57.819	ug/l #	88
11) Tert butyl alcohol	5.052	59	29817	291.682	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	108993	50.435	ug/l	90
13) Acrolein	3.793	56	72557	290.012	ug/l	100
14) Allyl chloride	4.564	41	112061	51.094	ug/l #	79
15) Acrylonitrile	5.246	53	124622	277.643	ug/l	97
16) Acetone	4.022	43	115936	301.532	ug/l #	79
17) Carbon Disulfide	4.264	76	262640	44.601	ug/l	100
18) Methyl Acetate	4.564	43	75479	55.032	ug/l #	81
19) Methyl tert-butyl Ether	5.316	73	239180	56.546	ug/l	99
20) Methylene Chloride	4.793	84	144323	46.787	ug/l #	76
21) trans-1,2-Dichloroethene	5.305	96	121842	48.920	ug/l #	82
22) Diisopropyl ether	6.211	45	282873	55.565	ug/l #	92
23) Vinyl Acetate	6.152	43	568951m	284.238	ug/l	
24) 1,1-Dichloroethane	6.111	63	206560	51.449	ug/l	98
25) 2-Butanone	7.081	43	139340	288.223	ug/l #	69
26) 2,2-Dichloropropane	7.075	77	175715	53.674	ug/l	92
27) cis-1,2-Dichloroethene	7.081	96	146107	52.863	ug/l	84
28) Bromochloromethane	7.416	49	66027	49.321	ug/l #	60
29) Tetrahydrofuran	7.446	42	78167	277.403	ug/l #	63
30) Chloroform	7.593	83	219327	51.084	ug/l	91
31) Cyclohexane	7.875	56	138731	46.874	ug/l #	78
32) 1,1,1-Trichloroethane	7.793	97	175417	51.268	ug/l	96
36) 1,1-Dichloropropene	8.005	75	152687	50.026	ug/l	92
37) Ethyl Acetate	7.163	43	57775	54.665	ug/l #	82
38) Carbon Tetrachloride	7.987	117	140043	50.798	ug/l	98
39) Methylcyclohexane	9.275	83	173164	49.279	ug/l	95
40) Benzene	8.246	78	485068	49.433	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	27178	46.898	ug/l #	62
42) 1,2-Dichloroethane	8.322	62	116927	50.379	ug/l	92
43) Isopropyl Acetate	8.358	43	106909	54.150	ug/l #	83
44) Trichloroethene	9.028	130	137586	49.752	ug/l	90
45) 1,2-Dichloropropane	9.305	63	121806	50.325	ug/l	95
46) Dibromomethane	9.393	93	69394	51.149	ug/l	91
47) Bromodichloromethane	9.581	83	168916	51.805	ug/l	94
48) Methyl methacrylate	9.375	41	45670	52.266	ug/l #	62
49) 1,4-Dioxane	9.387	88	16604	1144.479	ug/l #	78
51) 4-Methyl-2-Pentanone	10.157	43	288341	274.603	ug/l #	80
52) Toluene	10.334	92	306541	50.018	ug/l	94
53) t-1,3-Dichloropropene	10.552	75	154243	52.486	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	190437	53.100	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	102353	52.609	ug/l	92
56) Ethyl methacrylate	10.599	69	109587	56.039	ug/l #	70
57) 1,3-Dichloropropane	10.881	76	158905	52.061	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	261988	279.223	ug/l	92
59) 2-Hexanone	10.922	43	209695	283.177	ug/l	74
60) Dibromochloromethane	11.075	129	119338	54.553	ug/l	99
61) 1,2-Dibromoethane	11.181	107	90899	52.523	ug/l	98
64) Tetrachloroethene	10.810	164	112122	48.834	ug/l	94
65) Chlorobenzene	11.604	112	342736	50.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	121962	52.138	ug/l	94
67) Ethyl Benzene	11.681	91	572044	52.667	ug/l	98
68) m/p-Xylenes	11.793	106	468760	105.597	ug/l	90
69) o-Xylene	12.122	106	221807	54.760	ug/l	88
70) Styrene	12.134	104	383664	54.632	ug/l	94
71) Bromoform	12.299	173	69386	52.734	ug/l #	97
73) Isopropylbenzene	12.422	105	548455	51.626	ug/l	97
74) N-amyl acetate	12.234	43	96071	50.770	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	12.675	83	115053	50.389	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	74444m	52.972	ug/l	
77) Bromobenzene	12.698	156	143311	50.329	ug/l	89
78) n-propylbenzene	12.763	91	678966	51.345	ug/l	96
79) 2-Chlorotoluene	12.851	91	362840	49.578	ug/l	90
80) 1,3,5-Trimethylbenzene	12.904	105	452403	51.369	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	35483	52.967	ug/l #	71
82) 4-Chlorotoluene	12.946	91	386039	49.590	ug/l	91
83) tert-Butylbenzene	13.169	119	390834	52.511	ug/l	92
84) 1,2,4-Trimethylbenzene	13.210	105	461294	52.595	ug/l	95
85) sec-Butylbenzene	13.345	105	599610	51.693	ug/l	97
86) p-Isopropyltoluene	13.463	119	494700	52.122	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	287953	50.016	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	283121	49.665	ug/l	96
89) n-Butylbenzene	13.787	91	454907	50.860	ug/l	98
90) Hexachloroethane	14.051	117	94148	48.224	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	256009	50.671	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	14739	49.715	ug/l	77
93) 1,2,4-Trichlorobenzene	15.098	180	149296	50.801	ug/l	97
94) Hexachlorobutadiene	15.204	225	71389	47.643	ug/l	98
95) Naphthalene	15.334	128	295534	54.121	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	137343	51.386	ug/l	96

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

