

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062623\
 Data File : VD076575.D
 Acq On : 26 Jun 2023 11:02
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/27/2023
 Supervised By :Mahesh Dadoda 06/27/2023

Quant Time: Jun 27 04:23:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	151075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	249094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	224491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	112905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	74083	48.944	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.880%		
35) Dibromofluoromethane	7.804	113	79361	53.630	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.260%		
50) Toluene-d8	10.269	98	280099	49.910	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.820%		
62) 4-Bromofluorobenzene	12.575	95	92938	51.027	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	61502	53.575	ug/l	97
3) Chloromethane	2.146	50	105401	44.147	ug/l	98
4) Vinyl Chloride	2.281	62	125201	47.010	ug/l	98
5) Bromomethane	2.681	94	73749	42.588	ug/l	100
6) Chloroethane	2.828	64	87299	47.825	ug/l	99
7) Trichlorofluoromethane	3.169	101	122598	55.937	ug/l	99
8) Diethyl Ether	3.587	74	39043	47.333	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.958	101	74671	52.902	ug/l	97
10) Methyl Iodide	4.158	142	83034	49.619	ug/l #	90
11) Tert butyl alcohol	5.052	59	29411	225.047	ug/l	98
12) 1,1-Dichloroethene	3.934	96	69159	50.028	ug/l #	83
13) Acrolein	3.793	56	32229	228.956	ug/l	95
14) Allyl chloride	4.558	41	121544	48.077	ug/l #	86
15) Acrylonitrile	5.246	53	103014	242.871	ug/l	97
16) Acetone	4.022	43	105778	293.674	ug/l #	81
17) Carbon Disulfide	4.263	76	172652	45.710	ug/l	97
18) Methyl Acetate	4.558	43	76279	45.953	ug/l #	83
19) Methyl tert-butyl Ether	5.310	73	187764	49.655	ug/l	99
20) Methylene Chloride	4.787	84	87111	41.887	ug/l #	83
21) trans-1,2-Dichloroethene	5.310	96	80239	50.219	ug/l	90
22) Diisopropyl ether	6.216	45	261906	47.910	ug/l #	90
23) Vinyl Acetate	6.152	43	553333	204.208	ug/l #	87
24) 1,1-Dichloroethane	6.104	63	153612	50.322	ug/l	96
25) 2-Butanone	7.075	43	142675	256.102	ug/l #	82
26) 2,2-Dichloropropane	7.069	77	135555	51.506	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	95484	49.378	ug/l	86
28) Bromochloromethane	7.422	49	40103	45.413	ug/l #	73
29) Tetrahydrofuran	7.440	42	85552	238.957	ug/l #	78
30) Chloroform	7.587	83	157144	51.990	ug/l	95
31) Cyclohexane	7.875	56	115400	49.207	ug/l	92
32) 1,1,1-Trichloroethane	7.787	97	136486	55.861	ug/l	98
36) 1,1-Dichloropropene	8.004	75	111264	53.692	ug/l	97
37) Ethyl Acetate	7.163	43	58310	48.559	ug/l #	91
38) Carbon Tetrachloride	7.987	117	112659	60.825	ug/l	92
39) Methylcyclohexane	9.269	83	127802	52.554	ug/l	90
40) Benzene	8.246	78	327641	51.847	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	35143	51.828	ug/l #	82
42) 1,2-Dichloroethane	8.322	62	95606	55.990	ug/l	93
43) Isopropyl Acetate	8.357	43	115244	50.693	ug/l #	85
44) Trichloroethene	9.028	130	91720	53.804	ug/l	93
45) 1,2-Dichloropropane	9.304	63	89685	52.343	ug/l	97
46) Dibromomethane	9.393	93	49300	53.711	ug/l	95
47) Bromodichloromethane	9.581	83	119032	54.192	ug/l	94
48) Methyl methacrylate	9.381	41	54641	52.440	ug/l #	70
49) 1,4-Dioxane	9.387	88	12084	1098.807	ug/l #	80
51) 4-Methyl-2-Pentanone	10.157	43	306340	263.613	ug/l #	85
52) Toluene	10.334	92	211243	53.269	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	120184	53.922	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	138004	52.225	ug/l #	80
55) 1,1,2-Trichloroethane	10.734	97	67258	52.385	ug/l	93
56) Ethyl methacrylate	10.598	69	89205	53.212	ug/l #	74
57) 1,3-Dichloropropane	10.881	76	114562	52.116	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	161916	227.817	ug/l	95
59) 2-Hexanone	10.922	43	226831	280.610	ug/l	84
60) Dibromochloromethane	11.075	129	84642	56.648	ug/l	96
61) 1,2-Dibromoethane	11.181	107	65938	54.709	ug/l	98
64) Tetrachloroethene	10.810	164	77601	57.588	ug/l	89
65) Chlorobenzene	11.610	112	229539	53.821	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	86355	56.617	ug/l	96
67) Ethyl Benzene	11.681	91	414839	54.895	ug/l	94
68) m/p-Xylenes	11.792	106	320670	108.703	ug/l	90
69) o-Xylene	12.122	106	152715	54.384	ug/l	93
70) Styrene	12.134	104	264084	54.441	ug/l	95
71) Bromoform	12.298	173	54551	59.567	ug/l #	96
73) Isopropylbenzene	12.422	105	408736	53.769	ug/l	96
74) N-amyl acetate	12.234	43	110177	49.509	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.675	83	83651	53.328	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	57796m	51.578	ug/l	
77) Bromobenzene	12.704	156	94558	50.420	ug/l	88
78) n-propylbenzene	12.763	91	498421	53.102	ug/l	97
79) 2-Chlorotoluene	12.851	91	265647	51.540	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	334709	53.917	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	26654	52.121	ug/l	90
82) 4-Chlorotoluene	12.951	91	281336	52.559	ug/l	94
83) tert-Butylbenzene	13.169	119	298664	54.145	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	335970	53.704	ug/l	95
85) sec-Butylbenzene	13.345	105	455527	55.650	ug/l	96
86) p-Isopropyltoluene	13.463	119	375829	54.948	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	194658	52.841	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	191963	52.249	ug/l	98
89) n-Butylbenzene	13.786	91	361805	54.233	ug/l	99
90) Hexachloroethane	14.057	117	69246	54.861	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	167698	52.096	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	11971	50.702	ug/l	90
93) 1,2,4-Trichlorobenzene	15.098	180	114864	53.541	ug/l	99
94) Hexachlorobutadiene	15.204	225	62224	59.659	ug/l	99
95) Naphthalene	15.333	128	224976	52.442	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	102879	55.041	ug/l	99

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

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