

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020824\
 Data File : VD078366.D
 Acq On : 08 Feb 2024 13:40
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/09/2024
 Supervised By :Mahesh Dadoda 02/09/2024

Quant Time: Feb 09 03:07:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 03:58:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	122975	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	222385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	199845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	96197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	65877	43.273	ug/l	-0.01
Spiked Amount 50.000	Range 50	- 163	Recovery	=	86.540%	
35) Dibromofluoromethane	7.805	113	68488	43.259	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	86.520%	
50) Toluene-d8	10.269	98	250987	41.872	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	83.740%	
62) 4-Bromofluorobenzene	12.569	95	77110	42.956	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	85.920%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	60215	46.333	ug/l	97
3) Chloromethane	2.146	50	116637	45.594	ug/l	99
4) Vinyl Chloride	2.281	62	153714	45.552	ug/l	98
5) Bromomethane	2.687	94	81904	40.092	ug/l	98
6) Chloroethane	2.828	64	100710	43.209	ug/l	98
7) Trichlorofluoromethane	3.170	101	118749	41.565	ug/l	99
8) Diethyl Ether	3.593	74	35881	42.456	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.964	101	72688	41.457	ug/l	95
10) Methyl Iodide	4.158	142	74016	46.408	ug/l	91
11) Tert butyl alcohol	5.064	59	20892	215.149	ug/l #	85
12) 1,1-Dichloroethene	3.940	96	69098	40.843	ug/l #	82
13) Acrolein	3.793	56	26049	226.468	ug/l	99
14) Allyl chloride	4.564	41	93883	42.090	ug/l	89
15) Acrylonitrile	5.258	53	75822	202.971	ug/l	98
16) Acetone	4.028	43	75665	209.656	ug/l #	83
17) Carbon Disulfide	4.269	76	233159	40.824	ug/l	96
18) Methyl Acetate	4.564	43	37365	46.049	ug/l #	88
19) Methyl tert-butyl Ether	5.322	73	148736	42.274	ug/l	98
20) Methylene Chloride	4.805	84	93733	50.874	ug/l #	84
21) trans-1,2-Dichloroethene	5.311	96	79999	41.822	ug/l	93
22) Diisopropyl ether	6.222	45	199956	42.130	ug/l #	91
23) Vinyl Acetate	6.158	43	614525	212.224	ug/l #	91
24) 1,1-Dichloroethane	6.111	63	138932	42.284	ug/l	96
25) 2-Butanone	7.087	43	102448	201.958	ug/l #	80
26) 2,2-Dichloropropane	7.075	77	115549	43.052	ug/l	93
27) cis-1,2-Dichloroethene	7.075	96	88395	41.695	ug/l	91
28) Bromochloromethane	7.428	49	54850	46.804	ug/l #	76
29) Tetrahydrofuran	7.452	42	55587	204.834	ug/l	91
30) Chloroform	7.593	83	141879	42.233	ug/l	98
31) Cyclohexane	7.875	56	113002	39.634	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	123362	42.609	ug/l	99
36) 1,1-Dichloropropene	8.010	75	111297	42.393	ug/l	97
37) Ethyl Acetate	7.169	43	41893	41.459	ug/l #	88
38) Carbon Tetrachloride	7.987	117	111310	43.119	ug/l	97
39) Methylcyclohexane	9.275	83	132289	42.618	ug/l	94
40) Benzene	8.252	78	317383	41.432	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	22360	41.160	ug/l #	84
42) 1,2-Dichloroethane	8.322	62	82986	41.769	ug/l	94
43) Isopropyl Acetate	8.358	43	77485	42.768	ug/l #	90
44) Trichloroethene	9.028	130	82531	43.876	ug/l	92
45) 1,2-Dichloropropane	9.305	63	77527	41.393	ug/l	100
46) Dibromomethane	9.393	93	43729	42.080	ug/l #	87
47) Bromodichloromethane	9.587	83	105509	41.267	ug/l	99
48) Methyl methacrylate	9.381	41	37309	43.095	ug/l #	76
49) 1,4-Dioxane	9.387	88	9806	841.203	ug/l #	86
51) 4-Methyl-2-Pentanone	10.157	43	206563	210.761	ug/l	89
52) Toluene	10.334	92	200608	43.175	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	101451	42.482	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	121017	42.804	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	57559	42.445	ug/l	91
56) Ethyl methacrylate	10.599	69	67480	43.871	ug/l #	84
57) 1,3-Dichloropropane	10.875	76	96900	41.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	147365	210.676	ug/l	95
59) 2-Hexanone	10.922	43	153447	207.886	ug/l	83
60) Dibromochloromethane	11.075	129	69566	44.192	ug/l	99
61) 1,2-Dibromoethane	11.181	107	54129	42.278	ug/l	97
64) Tetrachloroethene	10.810	164	61642	44.224	ug/l	91
65) Chlorobenzene	11.604	112	204985	42.874	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	72784	42.757	ug/l	99
67) Ethyl Benzene	11.681	91	381409	44.040	ug/l	95
68) m/p-Xylenes	11.793	106	300206	90.100	ug/l	89
69) o-Xylene	12.122	106	136012	44.419	ug/l	89
70) Styrene	12.134	104	238288	45.568	ug/l	97
71) Bromoform	12.298	173	37620	44.872	ug/l #	99
73) Isopropylbenzene	12.422	105	359387	44.156	ug/l	95
74) N-amyl acetate	12.234	43	73083	43.416	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.675	83	65256	41.517	ug/l	100
76) 1,2,3-Trichloropropane	12.722	75	47182m	46.927	ug/l	
77) Bromobenzene	12.698	156	78175	43.647	ug/l	87
78) n-propylbenzene	12.763	91	453999	44.778	ug/l	95
79) 2-Chlorotoluene	12.846	91	240509	44.314	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	298733	45.117	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	21502	42.532	ug/l	89
82) 4-Chlorotoluene	12.946	91	251755	43.510	ug/l	93
83) tert-Butylbenzene	13.169	119	255168	45.164	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	300788	44.900	ug/l	97
85) sec-Butylbenzene	13.345	105	395335	44.584	ug/l	95
86) p-Isopropyltoluene	13.457	119	329236	45.333	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	164238	44.139	ug/l	96
88) 1,4-Dichlorobenzene	13.534	146	162145	44.043	ug/l	97
89) n-Butylbenzene	13.787	91	317947	44.926	ug/l	98
90) Hexachloroethane	14.051	117	64677	44.586	ug/l	85
91) 1,2-Dichlorobenzene	13.828	146	139651	43.870	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	9839	44.655	ug/l	84
93) 1,2,4-Trichlorobenzene	15.098	180	84559	45.924	ug/l	96
94) Hexachlorobutadiene	15.204	225	42031	46.584	ug/l	98
95) Naphthalene	15.328	128	166266	45.289	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	73526	45.352	ug/l	98

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

