

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051524\
 Data File : VD078923.D
 Acq On : 15 May 2024 10:37
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/16/2024
 Supervised By :Semsettin Yesilyurt 05/16/2024

Quant Time: May 16 01:22:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 14 06:21:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	148158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	233135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	219102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	120350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	73742	53.062	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.120%			
35) Dibromofluoromethane	7.805	113	83981	54.115	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.220%			
50) Toluene-d8	10.269	98	327709	56.328	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 112.660%			
62) 4-Bromofluorobenzene	12.575	95	94248	57.666	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 115.340%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	68712	49.633	ug/l	99
3) Chloromethane	2.152	50	95712	51.588	ug/l	95
4) Vinyl Chloride	2.287	62	154157	52.324	ug/l	97
5) Bromomethane	2.699	94	134486	47.392	ug/l	97
6) Chloroethane	2.840	64	123424	46.575	ug/l	97
7) Trichlorofluoromethane	3.175	101	124968	43.069	ug/l	99
8) Diethyl Ether	3.593	74	34626	52.662	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.964	101	76531	49.948	ug/l	98
10) Methyl Iodide	4.164	142	92914	50.757	ug/l	99
11) Tert butyl alcohol	5.034	59	15582m	257.764	ug/l	
12) 1,1-Dichloroethene	3.940	96	74916	49.950	ug/l	99
13) Acrolein	3.799	56	29767	215.168	ug/l	99
14) Allyl chloride	4.564	41	71942	49.157	ug/l	94
15) Acrylonitrile	5.252	53	68781	256.044	ug/l	96
16) Acetone	4.017	43	60413	272.640	ug/l	90
17) Carbon Disulfide	4.275	76	218052	49.956	ug/l	96
18) Methyl Acetate	4.569	43	25890	50.744	ug/l	96
19) Methyl tert-butyl Ether	5.317	73	150086	51.357	ug/l	95
20) Methylene Chloride	4.799	84	87089	49.323	ug/l	93
21) trans-1,2-Dichloroethene	5.311	96	85103	50.908	ug/l	97
22) Diisopropyl ether	6.211	45	173370	52.376	ug/l	94
23) Vinyl Acetate	6.158	43	530730	267.320	ug/l	100
24) 1,1-Dichloroethane	6.116	63	129849	49.484	ug/l	98
25) 2-Butanone	7.081	43	79803	269.275	ug/l	93
26) 2,2-Dichloropropane	7.075	77	117544	50.973	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	98342	50.098	ug/l	97
28) Bromochloromethane	7.422	49	42502	48.568	ug/l	97
29) Tetrahydrofuran	7.446	42	45963	268.137	ug/l	99
30) Chloroform	7.593	83	147746	49.711	ug/l	99
31) Cyclohexane	7.881	56	96806	47.679	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	130085	51.109	ug/l	99
36) 1,1-Dichloropropene	8.011	75	99698	51.625	ug/l	98
37) Ethyl Acetate	7.169	43	33473	50.860	ug/l	100
38) Carbon Tetrachloride	7.993	117	118189	52.296	ug/l	96
39) Methylcyclohexane	9.275	83	121958	51.975	ug/l	97
40) Benzene	8.252	78	326465	52.266	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	17914	50.585	ug/l	93
42) 1,2-Dichloroethane	8.328	62	78757	52.092	ug/l	96
43) Isopropyl Acetate	8.363	43	62304	53.352	ug/l	99
44) Trichloroethene	9.028	130	84464	50.981	ug/l	94
45) 1,2-Dichloropropane	9.305	63	70225	51.162	ug/l	92
46) Dibromomethane	9.393	93	46181	51.108	ug/l	99
47) Bromodichloromethane	9.587	83	112446	51.696	ug/l	99
48) Methyl methacrylate	9.381	41	31184	54.854	ug/l	88
49) 1,4-Dioxane	9.387	88	8966	1128.024	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	171892	276.351	ug/l	98
52) Toluene	10.334	92	217896	54.497	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	98435	53.257	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	117787	53.094	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	62537	53.569	ug/l	96
56) Ethyl methacrylate	10.599	69	69700	58.031	ug/l	97
57) 1,3-Dichloropropane	10.881	76	96605	53.144	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	128838	249.653	ug/l	99
59) 2-Hexanone	10.922	43	126174	291.432	ug/l	98
60) Dibromochloromethane	11.075	129	84644	53.188	ug/l	100
61) 1,2-Dibromoethane	11.181	107	57142	53.684	ug/l	95
64) Tetrachloroethene	10.810	164	74465	53.569	ug/l	95
65) Chlorobenzene	11.604	112	239720	52.599	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	84168	53.421	ug/l	98
67) Ethyl Benzene	11.681	91	401942	54.832	ug/l	99
68) m/p-Xylenes	11.793	106	339433	113.892	ug/l	99
69) o-Xylene	12.122	106	149198	54.912	ug/l	94
70) Styrene	12.134	104	276317	57.382	ug/l	98
71) Bromoform	12.299	173	49373	54.705	ug/l #	100
73) Isopropylbenzene	12.422	105	387533	53.950	ug/l	100
74) N-amyl acetate	12.234	43	61634	52.881	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	67980	52.466	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	43080m	50.846	ug/l	
77) Bromobenzene	12.698	156	96227	50.943	ug/l	97
78) n-propylbenzene	12.763	91	465710	53.640	ug/l	100
79) 2-Chlorotoluene	12.851	91	253011	52.432	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	323424	54.194	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	24164	56.556	ug/l	96
82) 4-Chlorotoluene	12.946	91	267294	52.799	ug/l	98
83) tert-Butylbenzene	13.169	119	289614	54.872	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	334743	54.151	ug/l	99
85) sec-Butylbenzene	13.346	105	423939	53.847	ug/l	99
86) p-Isopropyltoluene	13.463	119	375892	54.800	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	205933	51.519	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	201869	51.569	ug/l	99
89) n-Butylbenzene	13.787	91	324349	52.770	ug/l	99
90) Hexachloroethane	14.051	117	73646	50.900	ug/l	100
91) 1,2-Dichlorobenzene	13.834	146	173765	51.956	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	9312	53.984	ug/l	97
93) 1,2,4-Trichlorobenzene	15.098	180	103486	52.699	ug/l	98
94) Hexachlorobutadiene	15.204	225	51369	50.056	ug/l	97
95) Naphthalene	15.334	128	189236	56.574	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	92839	53.147	ug/l	98

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

