

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122823\
 Data File : VD078085.D
 Acq On : 28 Dec 2023 09:10
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 28 22:21:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/01/2024
 Supervised By :Mahesh Dadoda 01/01/2024

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	175085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	271900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	257328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	142121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79730	51.179	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.360%			
35) Dibromofluoromethane	7.810	113	95005	54.304	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.600%			
50) Toluene-d8	10.269	98	342704	55.671	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.340%			
62) 4-Bromofluorobenzene	12.575	95	107827	54.439	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	67709	45.123	ug/l	100
3) Chloromethane	2.152	50	97563	47.146	ug/l	97
4) Vinyl Chloride	2.287	62	145977	46.799	ug/l	99
5) Bromomethane	2.699	94	110624	44.233	ug/l	99
6) Chloroethane	2.840	64	110977	48.416	ug/l	97
7) Trichlorofluoromethane	3.181	101	151418	50.434	ug/l	100
8) Diethyl Ether	3.599	74	42834	52.029	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.969	101	94363	50.463	ug/l	99
10) Methyl Iodide	4.169	142	93936	53.458	ug/l	93
11) Tert butyl alcohol	5.040	59	22528	323.603	ug/l #	93
12) 1,1-Dichloroethene	3.946	96	83275	50.330	ug/l	93
13) Acrolein	3.799	56	11943	145.559	ug/l	98
14) Allyl chloride	4.569	41	95405	47.704	ug/l	94
15) Acrylonitrile	5.252	53	89299	259.305	ug/l	98
16) Acetone	4.022	43	106944	348.155	ug/l	93
17) Carbon Disulfide	4.275	76	215253	52.651	ug/l	98
18) Methyl Acetate	4.569	43	73604	57.648	ug/l	97
19) Methyl tert-butyl Ether	5.322	73	197839	54.025	ug/l	95
20) Methylene Chloride	4.811	84	102685	54.046	ug/l	92
21) trans-1,2-Dichloroethene	5.310	96	99575	52.354	ug/l	93
22) Diisopropyl ether	6.222	45	233051	52.170	ug/l	98
23) Vinyl Acetate	6.157	43	437911m	256.416	ug/l	
24) 1,1-Dichloroethane	6.116	63	169205	51.184	ug/l	99
25) 2-Butanone	7.087	43	119923	292.867	ug/l	90
26) 2,2-Dichloropropane	7.075	77	151071	50.865	ug/l	98
27) cis-1,2-Dichloroethene	7.087	96	117354	52.009	ug/l	97
28) Bromochloromethane	7.428	49	53098	44.895	ug/l	97
29) Tetrahydrofuran	7.446	42	62649	259.781	ug/l	95
30) Chloroform	7.604	83	183413	51.196	ug/l	91
31) Cyclohexane	7.881	56	125199	50.378	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	164298	53.362	ug/l	96
36) 1,1-Dichloropropene	8.010	75	132564	53.853	ug/l	97
37) Ethyl Acetate	7.163	43	44453	54.297	ug/l	96
38) Carbon Tetrachloride	7.993	117	146198	54.809	ug/l	96
39) Methylcyclohexane	9.275	83	154558	54.766	ug/l	95
40) Benzene	8.252	78	389930	54.960	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	28350	54.735	ug/l #	90
42) 1,2-Dichloroethane	8.322	62	102265	53.337	ug/l	97
43) Isopropyl Acetate	8.363	43	88691	54.110	ug/l	95
44) Trichloroethene	9.034	130	111027	54.394	ug/l	96
45) 1,2-Dichloropropane	9.304	63	96971	53.939	ug/l	95
46) Dibromomethane	9.393	93	55970	55.586	ug/l	99
47) Bromodichloromethane	9.587	83	142297	54.404	ug/l	98
48) Methyl methacrylate	9.381	41	50281	54.432	ug/l	86
49) 1,4-Dioxane	9.387	88	11068	1162.757	ug/l #	90
51) 4-Methyl-2-Pentanone	10.157	43	236381	281.057	ug/l	95
52) Toluene	10.334	92	258733	56.226	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	130854	55.141	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	156129	54.786	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	79578	56.161	ug/l	98
56) Ethyl methacrylate	10.598	69	64796	57.623	ug/l	93
57) 1,3-Dichloropropane	10.881	76	125871	54.066	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	137951	283.357	ug/l	99
59) 2-Hexanone	10.922	43	187008	286.254	ug/l	93
60) Dibromochloromethane	11.075	129	101920	56.462	ug/l	97
61) 1,2-Dibromoethane	11.181	107	75738	55.752	ug/l	99
64) Tetrachloroethene	10.810	164	93553	53.803	ug/l	99
65) Chlorobenzene	11.610	112	287590	52.606	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	108316	52.348	ug/l	98
67) Ethyl Benzene	11.687	91	505791	53.070	ug/l	99
68) m/p-Xylenes	11.792	106	397409	107.142	ug/l	92
69) o-Xylene	12.122	106	185514	53.663	ug/l	94
70) Styrene	12.134	104	281032	55.060	ug/l	96
71) Bromoform	12.298	173	63442	55.575	ug/l #	98
73) Isopropylbenzene	12.422	105	503245	51.411	ug/l	97
74) N-amyl acetate	12.234	43	82395	50.704	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	89113	50.090	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	61125m	50.979	ug/l	
77) Bromobenzene	12.704	156	124382	52.233	ug/l	98
78) n-propylbenzene	12.763	91	596293	50.608	ug/l	99
79) 2-Chlorotoluene	12.851	91	321773	50.490	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	419316	51.791	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	28242	50.754	ug/l	98
82) 4-Chlorotoluene	12.945	91	344566	50.428	ug/l	98
83) tert-Butylbenzene	13.169	119	372472	51.357	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	430074	52.151	ug/l	97
85) sec-Butylbenzene	13.345	105	538709	52.027	ug/l	97
86) p-Isopropyltoluene	13.463	119	494227	53.335	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	255343	51.826	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	250899	51.922	ug/l	99
89) n-Butylbenzene	13.787	91	440491	51.789	ug/l	99
90) Hexachloroethane	14.057	117	98049	52.927	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	220448	52.100	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	13132	52.704	ug/l	88
93) 1,2,4-Trichlorobenzene	15.098	180	147188	53.280	ug/l	99
94) Hexachlorobutadiene	15.204	225	82359	53.063	ug/l	99
95) Naphthalene	15.333	128	252045	53.593	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	125849	53.689	ug/l	99

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

