

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015664.D
 Acq On : 20 Sep 2023 17:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/21/2023
 Supervised By :Semsettin Yesilyurt 09/21/2023

Quant Time: Sep 21 03:44:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	132784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	228339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	210632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	107910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	76140	52.115	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.240%			
35) Dibromofluoromethane	7.716	113	72477	53.031	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.060%			
50) Toluene-d8	10.179	98	229305	49.484	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.960%			
62) 4-Bromofluorobenzene	12.483	95	92993	51.137	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.280%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	50402	57.585	ug/l	99
3) Chloromethane	2.107	50	64628	58.529	ug/l	99
4) Vinyl Chloride	2.247	62	74803	59.249	ug/l	98
5) Bromomethane	2.637	94	59993	56.953	ug/l	98
6) Chloroethane	2.784	64	55313	59.109	ug/l	93
7) Trichlorofluoromethane	3.113	101	121557	57.411	ug/l	100
8) Diethyl Ether	3.527	74	53773	59.554	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	76206	57.483	ug/l	94
10) Methyl Iodide	4.088	142	75782	48.687	ug/l	98
11) Tert butyl alcohol	4.966	59	96385	320.456	ug/l #	82
12) 1,1-Dichloroethene	3.863	96	67762	58.006	ug/l	95
13) Acrolein	3.723	56	60000	268.158	ug/l	99
14) Allyl chloride	4.472	41	126136	59.056	ug/l	93
15) Acrylonitrile	5.155	53	203936	307.888	ug/l	98
16) Acetone	3.948	43	207481	265.369	ug/l	93
17) Carbon Disulfide	4.186	76	134261	59.161	ug/l	100
18) Methyl Acetate	4.472	43	165872	63.230	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	283759	59.640	ug/l	98
20) Methylene Chloride	4.704	84	100487	59.617	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	78857	59.058	ug/l	97
22) Diisopropyl ether	6.112	45	301969	58.747	ug/l	96
23) Vinyl Acetate	6.057	43	948386	298.922	ug/l	96
24) 1,1-Dichloroethane	6.009	63	161226	57.545	ug/l	97
25) 2-Butanone	6.984	43	319929	289.494	ug/l	98
26) 2,2-Dichloropropane	6.978	77	139053	54.301	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	102531	57.841	ug/l	97
28) Bromochloromethane	7.332	49	43272	56.927	ug/l	99
29) Tetrahydrofuran	7.344	42	197455	316.115	ug/l	95
30) Chloroform	7.502	83	173134	57.704	ug/l	98
31) Cyclohexane	7.783	56	109736	54.220	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	144236	58.233	ug/l	98
36) 1,1-Dichloropropene	7.917	75	113985	56.407	ug/l	99
37) Ethyl Acetate	7.076	43	121617	60.337	ug/l	97
38) Carbon Tetrachloride	7.899	117	124905	56.944	ug/l	98
39) Methylcyclohexane	9.179	83	124610	55.752	ug/l	94
40) Benzene	8.155	78	351116	56.977	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	63064m	58.108	ug/l	
42) 1,2-Dichloroethane	8.234	62	119974	56.846	ug/l	94
43) Isopropyl Acetate	8.270	43	206461	59.964	ug/l	99
44) Trichloroethene	8.935	130	97806	56.825	ug/l	100
45) 1,2-Dichloropropane	9.215	63	100002	58.191	ug/l	98
46) Dibromomethane	9.307	93	64445	58.625	ug/l	94
47) Bromodichloromethane	9.496	83	140467	57.327	ug/l	96
48) Methyl methacrylate	9.289	41	91884	60.799	ug/l	91
49) 1,4-Dioxane	9.301	88	28248	1300.721	ug/l #	49
51) 4-Methyl-2-Pentanone	10.069	43	651732	305.395	ug/l	94
52) Toluene	10.240	92	224625	56.540	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	151946	57.827	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	162390	57.414	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	95265	59.135	ug/l	99
56) Ethyl methacrylate	10.508	69	143669	60.516	ug/l	89
57) 1,3-Dichloropropane	10.788	76	157223	58.198	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	221938	294.306	ug/l	97
59) 2-Hexanone	10.831	43	492486	300.796	ug/l	91
60) Dibromochloromethane	10.983	129	109305	58.124	ug/l	99
61) 1,2-Dibromoethane	11.087	107	91323	57.946	ug/l	100
64) Tetrachloroethene	10.715	164	105692	58.485	ug/l	99
65) Chlorobenzene	11.514	112	257125	55.925	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	101795	56.999	ug/l	99
67) Ethyl Benzene	11.593	91	452220	56.273	ug/l	100
68) m/p-Xylenes	11.703	106	344963	112.938	ug/l	96
69) o-Xylene	12.026	106	169315	56.530	ug/l	99
70) Styrene	12.044	104	298461	58.216	ug/l	97
71) Bromoform	12.209	173	78012	60.279	ug/l #	98
73) Isopropylbenzene	12.331	105	450741	55.681	ug/l	100
74) N-amyl acetate	12.142	43	180256	59.245	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	129014	57.265	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	99661m	57.891	ug/l	
77) Bromobenzene	12.611	156	110867	55.794	ug/l	93
78) n-propylbenzene	12.672	91	545651	55.484	ug/l	100
79) 2-Chlorotoluene	12.757	91	313063	55.846	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	376999	55.629	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	45079	58.967	ug/l	94
82) 4-Chlorotoluene	12.855	91	326972	55.873	ug/l	99
83) tert-Butylbenzene	13.074	119	333274	56.149	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	385330	56.827	ug/l	100
85) sec-Butylbenzene	13.251	105	492272	55.419	ug/l	100
86) p-Isopropyltoluene	13.367	119	414044	55.802	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	218688	55.475	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	219959	55.790	ug/l	99
89) n-Butylbenzene	13.696	91	387358	55.131	ug/l	98
90) Hexachloroethane	13.958	117	79631	55.608	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	203896	56.030	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	26563	59.365	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	125857	54.937	ug/l	99
94) Hexachlorobutadiene	15.111	225	62779	53.511	ug/l	97
95) Naphthalene	15.233	128	351223	58.795	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	116982	55.323	ug/l	98

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

