

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122723\
 Data File : VY016865.D
 Acq On : 27 Dec 2023 09:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Dec 28 03:41:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	145110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	243312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	213303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	95780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	70371	53.122	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.240%			
35) Dibromofluoromethane	7.722	113	74653	53.563	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.120%			
50) Toluene-d8	10.185	98	268754	53.491	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.980%			
62) 4-Bromofluorobenzene	12.489	95	87302	53.558	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	52008	41.939	ug/l	97
3) Chloromethane	2.113	50	89713	47.064	ug/l	100
4) Vinyl Chloride	2.253	62	104791	48.670	ug/l	100
5) Bromomethane	2.656	94	73772	48.107	ug/l	100
6) Chloroethane	2.796	64	70532	48.344	ug/l	95
7) Trichlorofluoromethane	3.131	101	120559	48.066	ug/l	98
8) Diethyl Ether	3.534	74	39886	49.711	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	73410	47.712	ug/l	99
10) Methyl Iodide	4.094	142	70011	43.667	ug/l	99
11) Tert butyl alcohol	4.960	59	27264	251.018	ug/l	99
12) 1,1-Dichloroethene	3.881	96	66080	48.236	ug/l	93
13) Acrolein	3.735	56	18271	218.025	ug/l	99
14) Allyl chloride	4.485	41	107671	51.314	ug/l	98
15) Acrylonitrile	5.167	53	94194	277.215	ug/l	99
16) Acetone	3.948	43	105564	294.695	ug/l	100
17) Carbon Disulfide	4.198	76	184173	49.410	ug/l	99
18) Methyl Acetate	4.478	43	83916	59.944	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	176194	49.986	ug/l	99
20) Methylene Chloride	4.722	84	82822	45.486	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	78406	50.183	ug/l	98
22) Diisopropyl ether	6.118	45	251359	52.951	ug/l	97
23) Vinyl Acetate	6.064	43	579385	258.061	ug/l	99
24) 1,1-Dichloroethane	6.021	63	144792	50.776	ug/l	98
25) 2-Butanone	6.990	43	135351	274.437	ug/l	98
26) 2,2-Dichloropropane	6.984	77	123416	49.595	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	89412	49.725	ug/l	96
28) Bromochloromethane	7.338	49	64160	56.847	ug/l	98
29) Tetrahydrofuran	7.356	42	76490	283.635	ug/l	97
30) Chloroform	7.508	83	149503	51.213	ug/l	99
31) Cyclohexane	7.789	56	119529	47.094	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	125963	49.157	ug/l	98
36) 1,1-Dichloropropene	7.923	75	110579	49.489	ug/l	99
37) Ethyl Acetate	7.076	43	51660	53.941	ug/l	100
38) Carbon Tetrachloride	7.905	117	108821	49.217	ug/l	99
39) Methylcyclohexane	9.191	83	128723	49.897	ug/l	99
40) Benzene	8.167	78	333254	51.253	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	27942	54.951	ug/l	92
42) 1,2-Dichloroethane	8.240	62	87315	51.471	ug/l	100
43) Isopropyl Acetate	8.277	43	96837	52.060	ug/l	99
44) Trichloroethene	8.947	130	81962	49.387	ug/l	99
45) 1,2-Dichloropropane	9.222	63	85130	52.193	ug/l	99
46) Dibromomethane	9.313	93	43849	52.040	ug/l	97
47) Bromodichloromethane	9.502	83	113908	51.290	ug/l	99
48) Methyl methacrylate	9.295	41	56127	54.293	ug/l	98
49) 1,4-Dioxane	9.307	88	9718	1188.274	ug/l	100
51) 4-Methyl-2-Pentanone	10.075	43	272912	275.368	ug/l	100
52) Toluene	10.252	92	201140	51.620	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	105240	51.969	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	126878	51.943	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	62571	52.047	ug/l	97
56) Ethyl methacrylate	10.514	69	56966	53.887	ug/l	98
57) 1,3-Dichloropropane	10.794	76	106135	51.977	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	186622	328.161	ug/l	98
59) 2-Hexanone	10.837	43	201295	272.386	ug/l	100
60) Dibromochloromethane	10.989	129	72467	52.108	ug/l	98
61) 1,2-Dibromoethane	11.093	107	55891	51.841	ug/l	100
64) Tetrachloroethene	10.727	164	63626	48.019	ug/l	98
65) Chlorobenzene	11.520	112	207096	49.416	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	76852	48.739	ug/l	98
67) Ethyl Benzene	11.599	91	387179	50.194	ug/l	99
68) m/p-Xylenes	11.709	106	289316	101.571	ug/l	100
69) o-Xylene	12.038	106	134317	51.400	ug/l	99
70) Styrene	12.050	104	200264	51.791	ug/l	99
71) Bromoform	12.215	173	38716	49.250	ug/l #	96
73) Isopropylbenzene	12.337	105	363876	48.780	ug/l	100
74) N-amyl acetate	12.148	43	78132	49.909	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	73517	49.319	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	51696m	48.825	ug/l	
77) Bromobenzene	12.617	156	77523	47.638	ug/l	98
78) n-propylbenzene	12.678	91	445902	49.337	ug/l	100
79) 2-Chlorotoluene	12.764	91	242347	48.460	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	294280	49.837	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	21910	48.597	ug/l	99
82) 4-Chlorotoluene	12.861	91	252522	49.219	ug/l	100
83) tert-Butylbenzene	13.081	119	250481	48.768	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	291215	50.015	ug/l	98
85) sec-Butylbenzene	13.257	105	375301	49.333	ug/l	99
86) p-Isopropyltoluene	13.373	119	313015	49.406	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	154521	48.587	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	150506	48.466	ug/l	99
89) n-Butylbenzene	13.702	91	302377	49.928	ug/l	100
90) Hexachloroethane	13.965	117	64862	49.166	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	132938	49.067	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9234	47.788	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	70581	49.096	ug/l	98
94) Hexachlorobutadiene	15.117	225	39727	48.654	ug/l	100
95) Naphthalene	15.245	128	131084	42.906	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	59129	48.293	ug/l	98

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

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