

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
 Data File : VY018322.D
 Acq On : 20 May 2024 09:50
 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 :Romaben Patel 05/21/2024
 Supervised By :Mahesh Dadoda 05/21/2024

Quant Time: May 21 01:19:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	202204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	344159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	285581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	69632	46.810	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.620%		
35) Dibromofluoromethane	7.716	113	81594	45.112	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.220%		
50) Toluene-d8	10.179	98	315451	44.258	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.520%		
62) 4-Bromofluorobenzene	12.483	95	94370	40.999	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	72081	44.950	ug/l	98
3) Chloromethane	2.107	50	102856	47.917	ug/l	99
4) Vinyl Chloride	2.247	62	127537	49.013	ug/l	99
5) Bromomethane	2.644	94	79234	43.845	ug/l	97
6) Chloroethane	2.790	64	80375	48.670	ug/l	100
7) Trichlorofluoromethane	3.119	101	143000	46.917	ug/l	93
8) Diethyl Ether	3.521	74	46949	46.791	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.893	101	90837	46.763	ug/l	98
10) Methyl Iodide	4.082	142	101762	44.862	ug/l	99
11) Tert butyl alcohol	4.942	59	31617	241.418	ug/l #	78
12) 1,1-Dichloroethene	3.863	96	90531	46.296	ug/l	98
13) Acrolein	3.723	56	29359	201.079	ug/l	99
14) Allyl chloride	4.466	41	127133	51.105	ug/l	96
15) Acrylonitrile	5.155	53	97109	251.670	ug/l	100
16) Acetone	3.936	43	86337	290.838	ug/l	91
17) Carbon Disulfide	4.186	76	243191	45.682	ug/l	97
18) Methyl Acetate	4.466	43	41806	49.438	ug/l	97
19) Methyl tert-butyl Ether	5.210	73	213112	48.924	ug/l	99
20) Methylene Chloride	4.710	84	98234	46.818	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	96777	46.688	ug/l	98
22) Diisopropyl ether	6.112	45	245421	46.506	ug/l	96
23) Vinyl Acetate	6.051	43	763241	237.958	ug/l	99
24) 1,1-Dichloroethane	6.009	63	162244	49.917	ug/l	98
25) 2-Butanone	6.978	43	118756	250.264	ug/l	94
26) 2,2-Dichloropropane	6.978	77	138156	46.964	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	111545	45.535	ug/l	99
28) Bromochloromethane	7.332	49	55398	42.643	ug/l	100
29) Tetrahydrofuran	7.344	42	71052	226.838	ug/l	94
30) Chloroform	7.496	83	158939	46.841	ug/l	98
31) Cyclohexane	7.783	56	135228	46.583	ug/l	97
32) 1,1,1-Trichloroethane	7.698	97	143774	47.274	ug/l	99
36) 1,1-Dichloropropene	7.911	75	115990	44.733	ug/l	99
37) Ethyl Acetate	7.063	43	49270	45.147	ug/l	97
38) Carbon Tetrachloride	7.899	117	127644	45.053	ug/l	96
39) Methylcyclohexane	9.185	83	163567	43.726	ug/l	99
40) Benzene	8.155	78	368640	44.199	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	30289m	48.063	ug/l	
42) 1,2-Dichloroethane	8.234	62	83032	45.755	ug/l	97
43) Isopropyl Acetate	8.271	43	99590	44.520	ug/l	95
44) Trichloroethene	8.941	130	99166	43.676	ug/l	95
45) 1,2-Dichloropropane	9.209	63	81758	44.838	ug/l	94
46) Dibromomethane	9.307	93	47162	44.991	ug/l	98
47) Bromodichloromethane	9.496	83	115519	44.577	ug/l	100
48) Methyl methacrylate	9.289	41	46021	44.889	ug/l	92
49) 1,4-Dioxane	9.295	88	11181	803.562	ug/l #	97
51) 4-Methyl-2-Pentanone	10.069	43	253636	225.593	ug/l	94
52) Toluene	10.246	92	233555	43.498	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	109292	45.151	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	133413	45.089	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	62659	43.513	ug/l	95
56) Ethyl methacrylate	10.508	69	83387	42.637	ug/l #	88
57) 1,3-Dichloropropane	10.788	76	101894	43.477	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	195582	209.432	ug/l	97
59) 2-Hexanone	10.831	43	184566	234.780	ug/l	93
60) Dibromochloromethane	10.983	129	81949	43.863	ug/l	100
61) 1,2-Dibromoethane	11.087	107	58553	43.170	ug/l	98
64) Tetrachloroethene	10.721	164	87485	46.010	ug/l	99
65) Chlorobenzene	11.514	112	256835	44.157	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	84650	44.993	ug/l	98
67) Ethyl Benzene	11.593	91	439095	44.712	ug/l	97
68) m/p-Xylenes	11.703	106	346419	89.201	ug/l	98
69) o-Xylene	12.032	106	164376	44.105	ug/l	96
70) Styrene	12.044	104	275329	44.237	ug/l	97
71) Bromoform	12.209	173	45182	43.404	ug/l #	97
73) Isopropylbenzene	12.331	105	427971	45.596	ug/l	98
74) N-amyl acetate	12.142	43	86232	44.257	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	65848	43.978	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	46225m	46.130	ug/l	
77) Bromobenzene	12.611	156	96483	44.745	ug/l	94
78) n-propylbenzene	12.672	91	497362	45.557	ug/l	97
79) 2-Chlorotoluene	12.758	91	267958	44.168	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	332900	44.979	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	22651	43.551	ug/l	98
82) 4-Chlorotoluene	12.855	91	271992	44.633	ug/l	97
83) tert-Butylbenzene	13.075	119	310168	45.434	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	325961	44.960	ug/l	98
85) sec-Butylbenzene	13.251	105	456613	45.598	ug/l	99
86) p-Isopropyltoluene	13.367	119	372109	45.171	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	184917	44.406	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	181883	44.803	ug/l	99
89) n-Butylbenzene	13.696	91	338642	45.423	ug/l	99
90) Hexachloroethane	13.959	117	71037	43.955	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	157632	44.041	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8665	42.501	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	87017	43.245	ug/l	98
94) Hexachlorobutadiene	15.111	225	46759	42.117	ug/l	96
95) Naphthalene	15.233	128	154928	42.018	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	70860	42.911	ug/l	99

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

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