

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031224\
 Data File : VY017644.D
 Acq On : 12 Mar 2024 17:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/13/2024
 Supervised By :Semsettin Yesilyurt 03/13/2024

Quant Time: Mar 13 04:10:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	155493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	251207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	221321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	70709	47.982	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.960%		
35) Dibromofluoromethane	7.716	113	82413	47.080	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.160%		
50) Toluene-d8	10.185	98	304853	49.810	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.620%		
62) 4-Bromofluorobenzene	12.483	95	95762	49.786	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	41547	36.222	ug/l	98
3) Chloromethane	2.113	50	81534	38.905	ug/l	97
4) Vinyl Chloride	2.247	62	109167	40.604	ug/l	99
5) Bromomethane	2.650	94	89231	40.726	ug/l	99
6) Chloroethane	2.790	64	74507	43.929	ug/l	99
7) Trichlorofluoromethane	3.119	101	107014	39.053	ug/l	98
8) Diethyl Ether	3.521	74	34647	43.109	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.893	101	64750	41.081	ug/l	98
10) Methyl Iodide	4.088	142	77194	43.641	ug/l	99
11) Tert butyl alcohol	4.948	59	20557	164.222	ug/l #	84
12) 1,1-Dichloroethene	3.869	96	62037	42.234	ug/l	99
13) Acrolein	3.723	56	19136	115.858	ug/l	98
14) Allyl chloride	4.479	41	79233	44.642	ug/l	96
15) Acrylonitrile	5.161	53	70615	213.736	ug/l	98
16) Acetone	3.942	43	59010	206.452	ug/l	98
17) Carbon Disulfide	4.192	76	183031	41.514	ug/l	100
18) Methyl Acetate	4.479	43	34025	49.067	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	149110	43.553	ug/l	100
20) Methylene Chloride	4.710	84	77926	45.961	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	73395	42.675	ug/l	97
22) Diisopropyl ether	6.119	45	187486	45.777	ug/l	96
23) Vinyl Acetate	6.058	43	531153	217.638	ug/l	100
24) 1,1-Dichloroethane	6.015	63	123044	43.975	ug/l	98
25) 2-Butanone	6.984	43	85934	210.962	ug/l	97
26) 2,2-Dichloropropane	6.984	77	102299	43.485	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	84844	43.937	ug/l	100
28) Bromochloromethane	7.332	49	48901	44.376	ug/l	100
29) Tetrahydrofuran	7.344	42	52702	214.629	ug/l	98
30) Chloroform	7.509	83	130932	43.952	ug/l	99
31) Cyclohexane	7.789	56	101226	42.209	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	111952	43.286	ug/l	99
36) 1,1-Dichloropropene	7.917	75	99594	42.169	ug/l	99
37) Ethyl Acetate	7.070	43	36379	38.999	ug/l	98
38) Carbon Tetrachloride	7.899	117	97530	41.203	ug/l	97
39) Methylcyclohexane	9.185	83	120896	42.594	ug/l	98
40) Benzene	8.161	78	296240	42.236	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	21523m	45.979	ug/l	
42) 1,2-Dichloroethane	8.234	62	71749	41.927	ug/l	99
43) Isopropyl Acetate	8.277	43	67376	41.103	ug/l #	85
44) Trichloroethene	8.941	130	82683	40.899	ug/l	99
45) 1,2-Dichloropropane	9.216	63	70608	42.313	ug/l	98
46) Dibromomethane	9.307	93	39704	41.575	ug/l	98
47) Bromodichloromethane	9.496	83	99139	42.754	ug/l	99
48) Methyl methacrylate	9.295	41	32671	43.059	ug/l	97
49) 1,4-Dioxane	9.301	88	8860	819.766	ug/l #	97
51) 4-Methyl-2-Pentanone	10.069	43	188316	206.130	ug/l	99
52) Toluene	10.246	92	188726	42.682	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	91174	42.362	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	111676	42.702	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	54855	40.456	ug/l	98
56) Ethyl methacrylate	10.514	69	64396	39.183	ug/l	100
57) 1,3-Dichloropropane	10.795	76	91779	41.631	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	174267	222.723	ug/l	100
59) 2-Hexanone	10.831	43	129951	207.087	ug/l	99
60) Dibromochloromethane	10.990	129	67088	41.823	ug/l	100
61) 1,2-Dibromoethane	11.093	107	51482	41.201	ug/l	99
64) Tetrachloroethene	10.721	164	87810	41.336	ug/l	99
65) Chlorobenzene	11.520	112	197209	41.980	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	73484	41.754	ug/l	100
67) Ethyl Benzene	11.593	91	355254	43.121	ug/l	97
68) m/p-Xylenes	11.703	106	281194	86.861	ug/l	98
69) o-Xylene	12.032	106	130598	43.484	ug/l	99
70) Styrene	12.044	104	215515	43.231	ug/l	99
71) Bromoform	12.209	173	40664	41.696	ug/l #	97
73) Isopropylbenzene	12.331	105	338859	44.511	ug/l	99
74) N-amyl acetate	12.148	43	56824	42.320	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	56392	43.136	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	45466m	46.697	ug/l	
77) Bromobenzene	12.611	156	78840	42.764	ug/l	98
78) n-propylbenzene	12.672	91	412425	45.149	ug/l	99
79) 2-Chlorotoluene	12.758	91	225910	44.172	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	274496	45.005	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	17543	41.402	ug/l	99
82) 4-Chlorotoluene	12.855	91	228820	43.743	ug/l	98
83) tert-Butylbenzene	13.075	119	245267	45.794	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	268939	44.664	ug/l	100
85) sec-Butylbenzene	13.258	105	367871	44.926	ug/l	100
86) p-Isopropyltoluene	13.373	119	301045	44.911	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	157292	42.505	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	152430	42.369	ug/l	99
89) n-Butylbenzene	13.696	91	274216	44.838	ug/l	99
90) Hexachloroethane	13.965	117	58412	43.466	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	133661	42.702	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7119	38.736	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	68029	41.146	ug/l	98
94) Hexachlorobutadiene	15.111	225	41938	41.084	ug/l	99
95) Naphthalene	15.239	128	110340	35.660	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	55884	39.400	ug/l	99

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

