

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012524\
 Data File : VY017102.D
 Acq On : 25 Jan 2024 11:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/29/2024
 Supervised By :Semsettin Yesilyurt 01/29/2024

Quant Time: Jan 26 04:41:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 04:44:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	134269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	224981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	193329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	86536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	61482	46.998	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.000%		
35) Dibromofluoromethane	7.734	113	64412	47.437	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.880%		
50) Toluene-d8	10.191	98	248203	48.395	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.800%		
62) 4-Bromofluorobenzene	12.489	95	77410	48.996	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	47743	48.971	ug/l	96
3) Chloromethane	2.119	50	89230	52.938	ug/l	99
4) Vinyl Chloride	2.259	62	111963	58.671	ug/l	98
5) Bromomethane	2.662	94	79716	55.580	ug/l	100
6) Chloroethane	2.802	64	73096	57.989	ug/l	98
7) Trichlorofluoromethane	3.137	101	118435	53.896	ug/l	98
8) Diethyl Ether	3.540	74	35363	45.712	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.912	101	71679	47.728	ug/l	100
10) Methyl Iodide	4.107	142	73417	51.457	ug/l	100
11) Tert butyl alcohol	4.960	59	22118	228.954	ug/l	99
12) 1,1-Dichloroethene	3.881	96	67176	48.864	ug/l	94
13) Acrolein	3.741	56	33502	213.535	ug/l	99
14) Allyl chloride	4.491	41	103921	50.012	ug/l	98
15) Acrylonitrile	5.174	53	78576	234.031	ug/l	100
16) Acetone	3.954	43	76052	209.684	ug/l	100
17) Carbon Disulfide	4.210	76	198697	47.954	ug/l	100
18) Methyl Acetate	4.491	43	67152	50.038	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	161782	48.225	ug/l	100
20) Methylene Chloride	4.728	84	74795	51.612	ug/l	97
21) trans-1,2-Dichloroethene	5.241	96	79716	50.131	ug/l	96
22) Diisopropyl ether	6.137	45	231024	50.368	ug/l	95
23) Vinyl Acetate	6.076	43	537707	241.674	ug/l	100
24) 1,1-Dichloroethane	6.033	63	137802	49.256	ug/l	99
25) 2-Butanone	7.002	43	105760	214.576	ug/l	100
26) 2,2-Dichloropropane	6.990	77	119577	50.043	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	86785	49.249	ug/l	98
28) Bromochloromethane	7.350	49	54250	48.708	ug/l	99
29) Tetrahydrofuran	7.362	42	62313	234.905	ug/l	99
30) Chloroform	7.521	83	139529	48.979	ug/l	98
31) Cyclohexane	7.801	56	122344	52.897	ug/l	98
32) 1,1,1-Trichloroethane	7.716	97	122470	50.135	ug/l	99
36) 1,1-Dichloropropene	7.929	75	112512	50.361	ug/l	100
37) Ethyl Acetate	7.088	43	44541	46.366	ug/l	99
38) Carbon Tetrachloride	7.917	117	108698	49.649	ug/l	99
39) Methylcyclohexane	9.197	83	138318	51.475	ug/l	98
40) Benzene	8.173	78	319894	49.304	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	22283	43.371	ug/l	88
42) 1,2-Dichloroethane	8.252	62	81175	48.258	ug/l	99
43) Isopropyl Acetate	8.283	43	84938	47.363	ug/l	99
44) Trichloroethene	8.953	130	82340	49.480	ug/l	99
45) 1,2-Dichloropropane	9.228	63	78256	49.141	ug/l	98
46) Dibromomethane	9.319	93	40490	47.876	ug/l	98
47) Bromodichloromethane	9.508	83	105836	49.189	ug/l	99
48) Methyl methacrylate	9.301	41	49001	49.211	ug/l	99
49) 1,4-Dioxane	9.307	88	8872	1066.612	ug/l	95
51) 4-Methyl-2-Pentanone	10.081	43	227828	238.820	ug/l	100
52) Toluene	10.252	92	199644	50.838	ug/l	100
53) t-1,3-Dichloropropene	10.477	75	99255	50.498	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	121306	50.180	ug/l	98
55) 1,1,2-Trichloroethane	10.654	97	56176	47.525	ug/l	97
56) Ethyl methacrylate	10.520	69	53062	51.334	ug/l	98
57) 1,3-Dichloropropane	10.801	76	97173	48.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	197041	274.616	ug/l	100
59) 2-Hexanone	10.843	43	160331	220.296	ug/l	99
60) Dibromochloromethane	10.996	129	67497	49.150	ug/l	98
61) 1,2-Dibromoethane	11.099	107	52089	48.509	ug/l	100
64) Tetrachloroethene	10.727	164	65183	48.372	ug/l	99
65) Chlorobenzene	11.526	112	204074	49.812	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.599	131	75088	50.177	ug/l	100
67) Ethyl Benzene	11.599	91	381892	51.276	ug/l	99
68) m/p-Xylenes	11.709	106	289027	103.288	ug/l	99
69) o-Xylene	12.038	106	131794	51.850	ug/l	100
70) Styrene	12.050	104	193612	52.468	ug/l	99
71) Bromoform	12.215	173	36603	48.779	ug/l #	99
73) Isopropylbenzene	12.337	105	362162	50.909	ug/l	100
74) N-amyl acetate	12.154	43	71186	49.644	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.593	83	62452	46.038	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	47819m	45.526	ug/l	
77) Bromobenzene	12.617	156	75309	48.924	ug/l	99
78) n-propylbenzene	12.678	91	439231	51.333	ug/l	99
79) 2-Chlorotoluene	12.764	91	236742	50.420	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	292027	51.868	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	19472	47.993	ug/l	95
82) 4-Chlorotoluene	12.861	91	244208	50.183	ug/l	100
83) tert-Butylbenzene	13.081	119	249448	51.222	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	287644	51.403	ug/l	99
85) sec-Butylbenzene	13.264	105	375287	52.043	ug/l	99
86) p-Isopropyltoluene	13.379	119	319906	53.258	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	149875	49.315	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	145047	48.508	ug/l	98
89) n-Butylbenzene	13.702	91	307726	53.113	ug/l	100
90) Hexachloroethane	13.971	117	62765	50.133	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	127483	49.119	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.367	75	7917	45.696	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	67797	49.988	ug/l	99
94) Hexachlorobutadiene	15.123	225	39854	48.825	ug/l	100
95) Naphthalene	15.245	128	122366	51.083	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	55720	49.382	ug/l	99

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

