

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020824\
 Data File : VY017328.D
 Acq On : 08 Feb 2024 21:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/09/2024
 Supervised By :Semsettin Yesilyurt 02/09/2024

Quant Time: Feb 09 00:18:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	92697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	164159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	145987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	67587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	43203	52.171	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.340%			
35) Dibromofluoromethane	7.722	113	43907	49.537	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.080%			
50) Toluene-d8	10.185	98	158352	49.069	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.140%			
62) 4-Bromofluorobenzene	12.489	95	52969	50.105	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	30723	43.720	ug/l	97
3) Chloromethane	2.113	50	69242	54.850	ug/l	97
4) Vinyl Chloride	2.247	62	81365	52.891	ug/l	99
5) Bromomethane	2.644	94	61606	57.772	ug/l	97
6) Chloroethane	2.790	64	55495	55.870	ug/l	99
7) Trichlorofluoromethane	3.119	101	84920	53.683	ug/l	98
8) Diethyl Ether	3.527	74	29407	59.100	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.893	101	50312	52.467	ug/l	99
10) Methyl Iodide	4.088	142	47873	47.488	ug/l	99
11) Tert butyl alcohol	4.954	59	20688	300.125	ug/l	97
12) 1,1-Dichloroethene	3.869	96	48319	53.776	ug/l	97
13) Acrolein	3.729	56	22112	325.812	ug/l	98
14) Allyl chloride	4.479	41	75163	55.333	ug/l	99
15) Acrylonitrile	5.161	53	68891	307.502	ug/l	99
16) Acetone	3.948	43	54602	224.340	ug/l	97
17) Carbon Disulfide	4.192	76	141587	49.364	ug/l	99
18) Methyl Acetate	4.472	43	38960	71.755	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	130165	60.150	ug/l	99
20) Methylene Chloride	4.710	84	69115	70.791	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	55979	54.765	ug/l	98
22) Diisopropyl ether	6.125	45	180231	60.419	ug/l	95
23) Vinyl Acetate	6.064	43	527544	291.868	ug/l	98
24) 1,1-Dichloroethane	6.021	63	104556	57.216	ug/l	99
25) 2-Butanone	6.984	43	88872	274.672	ug/l	99
26) 2,2-Dichloropropane	6.984	77	73650	48.454	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	67015	58.619	ug/l	97
28) Bromochloromethane	7.338	49	35466	50.688	ug/l	100
29) Tetrahydrofuran	7.350	42	58253	318.713	ug/l	100
30) Chloroform	7.508	83	108251	58.887	ug/l	96
31) Cyclohexane	7.789	56	82114	49.196	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	87613	55.408	ug/l	100
36) 1,1-Dichloropropene	7.923	75	79029	51.690	ug/l	100
37) Ethyl Acetate	7.076	43	39587	55.826	ug/l	98
38) Carbon Tetrachloride	7.905	117	76990	52.594	ug/l	96
39) Methylcyclohexane	9.191	83	89062	49.862	ug/l	99
40) Benzene	8.167	78	242110	55.452	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	18272	54.385	ug/l #	84
42) 1,2-Dichloroethane	8.240	62	65721	56.852	ug/l	99
43) Isopropyl Acetate	8.277	43	72822	58.012	ug/l	99
44) Trichloroethene	8.947	130	60768	54.830	ug/l	92
45) 1,2-Dichloropropane	9.222	63	61316	57.175	ug/l	99
46) Dibromomethane	9.313	93	34207	59.048	ug/l	97
47) Bromodichloromethane	9.502	83	82937	57.206	ug/l	98
48) Methyl methacrylate	9.301	41	33597	57.060	ug/l	92
49) 1,4-Dioxane	9.307	88	7992	1267.480	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	209583	311.464	ug/l	100
52) Toluene	10.252	92	146958	55.763	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	75529	55.463	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	92597	56.769	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	46204	58.621	ug/l	98
56) Ethyl methacrylate	10.514	69	58989	55.288	ug/l	99
57) 1,3-Dichloropropane	10.794	76	79545	58.677	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	131677	268.169	ug/l	99
59) 2-Hexanone	10.837	43	139310	286.308	ug/l	99
60) Dibromochloromethane	10.990	129	53958	58.355	ug/l	100
61) 1,2-Dibromoethane	11.093	107	42940	58.578	ug/l	100
64) Tetrachloroethene	10.727	164	54694	57.687	ug/l	96
65) Chlorobenzene	11.520	112	154876	54.995	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	58067	56.737	ug/l	99
67) Ethyl Benzene	11.599	91	280758	55.162	ug/l	100
68) m/p-Xylenes	11.709	106	213232	110.396	ug/l	100
69) o-Xylene	12.038	106	100922	56.739	ug/l	100
70) Styrene	12.050	104	171154	58.400	ug/l	99
71) Bromoform	12.215	173	31135	58.090	ug/l #	99
73) Isopropylbenzene	12.337	105	262025	52.772	ug/l	99
74) N-amyl acetate	12.148	43	63828	57.212	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	53854	55.146	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	36986m	59.290	ug/l	
77) Bromobenzene	12.617	156	58996	53.567	ug/l	99
78) n-propylbenzene	12.678	91	321443	52.712	ug/l	100
79) 2-Chlorotoluene	12.764	91	179663	53.589	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	213382	54.036	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	16006	53.314	ug/l	98
82) 4-Chlorotoluene	12.861	91	187171	54.245	ug/l	100
83) tert-Butylbenzene	13.081	119	183586	54.236	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	213448	54.762	ug/l	99
85) sec-Butylbenzene	13.257	105	278072	52.561	ug/l	99
86) p-Isopropyltoluene	13.373	119	225563	53.355	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	116556	53.050	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	114580	53.679	ug/l	100
89) n-Butylbenzene	13.703	91	213436	53.100	ug/l	100
90) Hexachloroethane	13.965	117	45877	52.860	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	103439	55.304	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7144	56.162	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	52277	56.270	ug/l	97
94) Hexachlorobutadiene	15.117	225	28494	52.075	ug/l	100
95) Naphthalene	15.239	128	110114	57.643	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	46585	58.958	ug/l	100

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

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