

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040524\
 Data File : VY017860.D
 Acq On : 05 Apr 2024 10:20
 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 :Mahesh Dadoda 04/08/2024
 Supervised By :Semsettin Yesilyurt 04/08/2024

Quant Time: Apr 06 04:44:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	160045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	248175	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	217588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	97765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	69371	50.090	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.180%			
35) Dibromofluoromethane	7.734	113	73946	51.564	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.120%			
50) Toluene-d8	10.191	98	276532	51.622	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.240%			
62) 4-Bromofluorobenzene	12.489	95	80816	49.586	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	56325	52.624	ug/l	98
3) Chloromethane	2.125	50	104092	49.829	ug/l	97
4) Vinyl Chloride	2.259	62	154996	56.774	ug/l	98
5) Bromomethane	2.668	94	130109	58.942	ug/l	99
6) Chloroethane	2.808	64	114366	64.206	ug/l	99
7) Trichlorofluoromethane	3.137	101	131927	49.553	ug/l	90
8) Diethyl Ether	3.540	74	36581	46.775	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.918	101	78905	49.419	ug/l	98
10) Methyl Iodide	4.113	142	93543	53.874	ug/l	99
11) Tert butyl alcohol	4.966	59	20223	195.611	ug/l #	81
12) 1,1-Dichloroethene	3.887	96	73186	48.984	ug/l	94
13) Acrolein	3.741	56	19215	198.035	ug/l	100
14) Allyl chloride	4.497	41	84941	46.341	ug/l	89
15) Acrylonitrile	5.180	53	73510	222.678	ug/l	99
16) Acetone	3.960	43	71319	249.127	ug/l	94
17) Carbon Disulfide	4.210	76	195442	46.224	ug/l	99
18) Methyl Acetate	4.491	43	27117	42.765	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	169917	49.670	ug/l	99
20) Methylene Chloride	4.734	84	81063	45.997	ug/l	98
21) trans-1,2-Dichloroethene	5.240	96	80451	50.319	ug/l	97
22) Diisopropyl ether	6.131	45	208374	49.184	ug/l	92
23) Vinyl Acetate	6.076	43	629918	243.525	ug/l	100
24) 1,1-Dichloroethane	6.033	63	142654	50.732	ug/l	97
25) 2-Butanone	7.002	43	93928	230.318	ug/l	100
26) 2,2-Dichloropropane	6.996	77	127624	52.549	ug/l	98
27) cis-1,2-Dichloroethene	7.002	96	97548	51.626	ug/l	97
28) Bromochloromethane	7.344	49	49001	42.852	ug/l	93
29) Tetrahydrofuran	7.362	42	53417	218.292	ug/l	98
30) Chloroform	7.521	83	153202	52.511	ug/l	98
31) Cyclohexane	7.801	56	108860	44.619	ug/l	96
32) 1,1,1-Trichloroethane	7.716	97	131497	52.956	ug/l	96
36) 1,1-Dichloropropene	7.929	75	110142	52.639	ug/l	96
37) Ethyl Acetate	7.088	43	40808	45.193	ug/l	99
38) Carbon Tetrachloride	7.917	117	115596	53.217	ug/l	97
39) Methylcyclohexane	9.197	83	135111	51.694	ug/l	99
40) Benzene	8.173	78	334373	51.854	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	22234m	44.058	ug/l	
42) 1,2-Dichloroethane	8.252	62	82454	51.951	ug/l	99
43) Isopropyl Acetate	8.283	43	77153	47.082	ug/l	99
44) Trichloroethene	8.953	130	84704	50.488	ug/l	92
45) 1,2-Dichloropropane	9.228	63	76390	50.981	ug/l	99
46) Dibromomethane	9.319	93	43928	51.601	ug/l	98
47) Bromodichloromethane	9.508	83	115629	53.755	ug/l	99
48) Methyl methacrylate	9.307	41	34335	49.477	ug/l	95
49) 1,4-Dioxane	9.313	88	8485	887.858	ug/l #	95
51) 4-Methyl-2-Pentanone	10.081	43	205292	252.669	ug/l	100
52) Toluene	10.258	92	206406	52.771	ug/l	97
53) t-1,3-Dichloropropene	10.477	75	99160	51.919	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	120874	51.855	ug/l	96
55) 1,1,2-Trichloroethane	10.654	97	58231	51.335	ug/l	98
56) Ethyl methacrylate	10.520	69	71852	51.389	ug/l #	96
57) 1,3-Dichloropropane	10.800	76	97262	50.697	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	188640	265.005	ug/l	100
59) 2-Hexanone	10.843	43	148729	256.534	ug/l	98
60) Dibromochloromethane	10.996	129	75680	52.898	ug/l	99
61) 1,2-Dibromoethane	11.105	107	52366	50.628	ug/l	100
64) Tetrachloroethene	10.733	164	93394	49.211	ug/l	98
65) Chlorobenzene	11.526	112	227403	50.948	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.599	131	78930	52.080	ug/l	99
67) Ethyl Benzene	11.605	91	408282	53.210	ug/l	100
68) m/p-Xylenes	11.715	106	312113	107.258	ug/l	98
69) o-Xylene	12.044	106	145342	58.495	ug/l	99
70) Styrene	12.056	104	243833	57.207	ug/l	99
71) Bromoform	12.221	173	41269	49.125	ug/l #	98
73) Isopropylbenzene	12.343	105	383111	55.918	ug/l	100
74) N-amyl acetate	12.154	43	64523	49.937	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.593	83	59351	50.078	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	42719m	47.951	ug/l	
77) Bromobenzene	12.623	156	85206	52.217	ug/l	96
78) n-propylbenzene	12.684	91	465464	55.677	ug/l	99
79) 2-Chlorotoluene	12.770	91	247355	54.016	ug/l	100
80) 1,3,5-Trimethylbenzene	12.824	105	293721	54.932	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	19720	51.372	ug/l	95
82) 4-Chlorotoluene	12.867	91	251115	52.959	ug/l	98
83) tert-Butylbenzene	13.087	119	271124	55.772	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	295776	55.541	ug/l	100
85) sec-Butylbenzene	13.263	105	410883	56.313	ug/l	100
86) p-Isopropyltoluene	13.379	119	341952	56.069	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	171125	52.851	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	161657	52.162	ug/l	98
89) n-Butylbenzene	13.708	91	318686	56.795	ug/l	97
90) Hexachloroethane	13.971	117	64487	53.175	ug/l	99
91) 1,2-Dichlorobenzene	13.751	146	140327	52.285	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	6738	42.072	ug/l	99
93) 1,2,4-Trichlorobenzene	15.019	180	70552	47.993	ug/l	98
94) Hexachlorobutadiene	15.123	225	43385	48.684	ug/l	98
95) Naphthalene	15.251	128	111426	47.068	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	57254	46.107	ug/l	99

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

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