

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040324\
 Data File : VY017823.D
 Acq On : 03 Apr 2024 09:34
 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 04/04/2024
 Supervised By :Semsettin Yesilyurt 04/04/2024

Quant Time: Apr 04 01:06:36 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	254415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	382537	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	340150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	156746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	113259	51.445	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.900%	
35) Dibromofluoromethane	7.728	113	126429	57.196	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.400%	
50) Toluene-d8	10.191	98	475811	57.625	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.240%	
62) 4-Bromofluorobenzene	12.495	95	144202	57.401	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 114.800%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	78910	46.378	ug/l	100
3) Chloromethane	2.119	50	144304	43.455	ug/l	99
4) Vinyl Chloride	2.259	62	191171	44.050	ug/l	98
5) Bromomethane	2.662	94	145936	41.589	ug/l	99
6) Chloroethane	2.802	64	127801	45.135	ug/l	99
7) Trichlorofluoromethane	3.131	101	196233	46.367	ug/l	95
8) Diethyl Ether	3.534	74	56284	45.274	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	120790	47.591	ug/l	100
10) Methyl Iodide	4.101	142	141866	51.398	ug/l	99
11) Tert butyl alcohol	4.960	59	34178	209.112	ug/l #	83
12) 1,1-Dichloroethene	3.881	96	112075	47.188	ug/l	96
13) Acrolein	3.735	56	36562	237.045	ug/l	98
14) Allyl chloride	4.491	41	138417	47.504	ug/l	100
15) Acrylonitrile	5.174	53	117362	223.644	ug/l	100
16) Acetone	3.954	43	114052	250.622	ug/l	93
17) Carbon Disulfide	4.204	76	315872	46.996	ug/l	98
18) Methyl Acetate	4.491	43	44100	43.751	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	249806	45.936	ug/l	100
20) Methylene Chloride	4.735	84	126153	44.971	ug/l	99
21) trans-1,2-Dichloroethene	5.235	96	122553	48.220	ug/l	96
22) Diisopropyl ether	6.137	45	328011	48.705	ug/l	98
23) Vinyl Acetate	6.070	43	965973	234.922	ug/l	98
24) 1,1-Dichloroethane	6.033	63	217318	48.618	ug/l	98
25) 2-Butanone	7.003	43	152353	235.008	ug/l	95
26) 2,2-Dichloropropane	6.996	77	185930	48.159	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	146658	48.826	ug/l	98
28) Bromochloromethane	7.350	49	90151	49.595	ug/l	95
29) Tetrahydrofuran	7.362	42	86037	221.179	ug/l	99
30) Chloroform	7.521	83	224067	48.313	ug/l	97
31) Cyclohexane	7.801	56	178384	45.995	ug/l	99
32) 1,1,1-Trichloroethane	7.716	97	191618	48.544	ug/l	97
36) 1,1-Dichloropropene	7.929	75	166057	51.487	ug/l	98
37) Ethyl Acetate	7.088	43	61671	44.309	ug/l	98
38) Carbon Tetrachloride	7.917	117	173585	51.844	ug/l	100
39) Methylcyclohexane	9.197	83	207923	51.611	ug/l	96
40) Benzene	8.173	78	501720	50.477	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	34419m	44.220	ug/l	
42) 1,2-Dichloroethane	8.252	62	120185	49.126	ug/l	99
43) Isopropyl Acetate	8.283	43	117363	46.464	ug/l	99
44) Trichloroethene	8.953	130	130952	50.639	ug/l	96
45) 1,2-Dichloropropane	9.228	63	116310	50.358	ug/l	98
46) Dibromomethane	9.319	93	65672	50.048	ug/l	99
47) Bromodichloromethane	9.508	83	167703	50.580	ug/l	99
48) Methyl methacrylate	9.307	41	53442	49.892	ug/l	98
49) 1,4-Dioxane	9.313	88	14057	954.265	ug/l #	98
51) 4-Methyl-2-Pentanone	10.081	43	323934	257.799	ug/l	100
52) Toluene	10.258	92	314468	52.159	ug/l	100
53) t-1,3-Dichloropropene	10.478	75	149551	50.800	ug/l	97
54) cis-1,3-Dichloropropene	9.941	75	181357	50.475	ug/l	99
55) 1,1,2-Trichloroethane	10.654	97	86728	49.603	ug/l	98
56) Ethyl methacrylate	10.520	69	113544	52.477	ug/l	99
57) 1,3-Dichloropropane	10.801	76	148070	50.071	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	272441	250.968	ug/l	99
59) 2-Hexanone	10.843	43	235947	262.882	ug/l	99
60) Dibromochloromethane	10.996	129	112723	51.116	ug/l	99
61) 1,2-Dibromoethane	11.105	107	79327	49.756	ug/l	99
64) Tetrachloroethene	10.734	164	147083	49.576	ug/l	99
65) Chlorobenzene	11.532	112	344892	49.428	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	117804	49.723	ug/l	99
67) Ethyl Benzene	11.605	91	609440	50.808	ug/l	99
68) m/p-Xylenes	11.715	106	463769	101.949	ug/l	98
69) o-Xylene	12.044	106	216006	56.110	ug/l	99
70) Styrene	12.057	104	369877	55.804	ug/l	99
71) Bromoform	12.221	173	64972	49.473	ug/l #	98
73) Isopropylbenzene	12.343	105	572112	52.082	ug/l	100
74) N-amyl acetate	12.154	43	103621	50.006	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.593	83	91746	48.283	ug/l	99
76) 1,2,3-Trichloropropane	12.648	75	69100m	48.377	ug/l	
77) Bromobenzene	12.623	156	130496	49.880	ug/l	99
78) n-propylbenzene	12.684	91	705803	52.658	ug/l	100
79) 2-Chlorotoluene	12.770	91	376533	51.285	ug/l	100
80) 1,3,5-Trimethylbenzene	12.825	105	445728	51.993	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.392	75	30742	50.154	ug/l	98
82) 4-Chlorotoluene	12.867	91	387829	51.015	ug/l	100
83) tert-Butylbenzene	13.087	119	403156	51.726	ug/l	99
84) 1,2,4-Trimethylbenzene	13.136	105	441424	51.701	ug/l	100
85) sec-Butylbenzene	13.270	105	619897	52.991	ug/l	100
86) p-Isopropyltoluene	13.379	119	507310	51.882	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	254509	49.027	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	247103	49.731	ug/l	99
89) n-Butylbenzene	13.709	91	474414	52.735	ug/l	99
90) Hexachloroethane	13.977	117	98832	50.830	ug/l	96
91) 1,2-Dichlorobenzene	13.751	146	217542	50.555	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	11619	45.250	ug/l	96
93) 1,2,4-Trichlorobenzene	15.019	180	116056	49.241	ug/l	99
94) Hexachlorobutadiene	15.123	225	70785	49.542	ug/l	98
95) Naphthalene	15.251	128	182783	47.973	ug/l	100
96) 1,2,3-Trichlorobenzene	15.440	180	93797	47.113	ug/l	99

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

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