

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032524\
 Data File : VY017756.D
 Acq On : 25 Mar 2024 17:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/26/2024
 Supervised By :Semsettin Yesilyurt 03/26/2024

Quant Time: Mar 26 03:39:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032224S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 04:03:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	161673	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.697	114	256587	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	229791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	111348	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	76759	54.498	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.000%	
35) Dibromofluoromethane	7.722	113	83029	54.134	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.260%	
50) Toluene-d8	10.185	98	314006	53.493	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.980%	
62) 4-Bromofluorobenzene	12.489	95	100335	56.922	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.840%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	66301	47.502	ug/l	97
3) Chloromethane	2.113	50	100046	55.331	ug/l	97
4) Vinyl Chloride	2.253	62	122262	55.924	ug/l	99
5) Bromomethane	2.656	94	98052	57.441	ug/l	98
6) Chloroethane	2.796	64	83034	56.829	ug/l	99
7) Trichlorofluoromethane	3.131	101	127070	55.145	ug/l	99
8) Diethyl Ether	3.527	74	43828	57.691	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	80948	49.348	ug/l	98
10) Methyl Iodide	4.100	142	104833	52.281	ug/l	97
11) Tert butyl alcohol	4.954	59	27923	298.058	ug/l #	82
12) 1,1-Dichloroethene	3.881	96	79620	51.602	ug/l	99
13) Acrolein	3.729	56	35062	310.484	ug/l	100
14) Allyl chloride	4.491	41	105657	50.528	ug/l	98
15) Acrylonitrile	5.161	53	92459	293.792	ug/l	100
16) Acetone	3.948	43	70336	285.508	ug/l	94
17) Carbon Disulfide	4.198	76	258029	49.978	ug/l	99
18) Methyl Acetate	4.478	43	36967	59.599	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	194890	58.581	ug/l	100
20) Methylene Chloride	4.722	84	90955	50.766	ug/l	93
21) trans-1,2-Dichloroethene	5.228	96	91456	51.993	ug/l	99
22) Diisopropyl ether	6.125	45	244584	53.720	ug/l	96
23) Vinyl Acetate	6.064	43	759891	284.164	ug/l	97
24) 1,1-Dichloroethane	6.021	63	155049	51.812	ug/l	99
25) 2-Butanone	6.990	43	111850	266.726	ug/l	94
26) 2,2-Dichloropropane	6.984	77	123280	48.464	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	106294	53.423	ug/l	98
28) Bromochloromethane	7.344	49	62950	54.260	ug/l	98
29) Tetrahydrofuran	7.350	42	74301	281.736	ug/l	95
30) Chloroform	7.508	83	164707	53.092	ug/l	100
31) Cyclohexane	7.789	56	126887	45.550	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	138551	51.281	ug/l	98
36) 1,1-Dichloropropene	7.923	75	116576	49.198	ug/l	99
37) Ethyl Acetate	7.076	43	51747	56.833	ug/l	99
38) Carbon Tetrachloride	7.911	117	126033	50.798	ug/l	100
39) Methylcyclohexane	9.191	83	149952	49.298	ug/l	99
40) Benzene	8.167	78	369003	52.025	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	30580m	67.992	ug/l	
42) 1,2-Dichloroethane	8.240	62	92061	54.189	ug/l	99
43) Isopropyl Acetate	8.277	43	96006	53.250	ug/l	97
44) Trichloroethene	8.947	130	99427	53.592	ug/l	97
45) 1,2-Dichloropropane	9.222	63	85115	52.667	ug/l	99
46) Dibromomethane	9.313	93	49856	55.361	ug/l	97
47) Bromodichloromethane	9.502	83	126081	54.753	ug/l	100
48) Methyl methacrylate	9.295	41	43732	52.134	ug/l	97
49) 1,4-Dioxane	9.307	88	11493	1311.599	ug/l #	99
51) 4-Methyl-2-Pentanone	10.075	43	263818	272.004	ug/l	97
52) Toluene	10.252	92	232792	53.114	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	111609	55.421	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	135223	54.967	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	65983	57.275	ug/l	96
56) Ethyl methacrylate	10.514	69	88819	54.708	ug/l	97
57) 1,3-Dichloropropane	10.794	76	113237	57.066	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	211586	259.662	ug/l	100
59) 2-Hexanone	10.837	43	182551	267.385	ug/l	96
60) Dibromochloromethane	10.990	129	89656	58.182	ug/l	98
61) 1,2-Dibromoethane	11.093	107	62904	58.160	ug/l	100
64) Tetrachloroethene	10.727	164	116330	54.741	ug/l	96
65) Chlorobenzene	11.520	112	259410	52.443	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	89410	54.127	ug/l	98
67) Ethyl Benzene	11.599	91	443931	52.256	ug/l	98
68) m/p-Xylenes	11.709	106	351700	106.721	ug/l	98
69) o-Xylene	12.032	106	162527	54.018	ug/l	100
70) Styrene	12.050	104	279750	55.866	ug/l	99
71) Bromoform	12.215	173	52012	59.788	ug/l #	99
73) Isopropylbenzene	12.337	105	417780	49.689	ug/l	98
74) N-amyl acetate	12.148	43	85197	49.329	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	68612	52.999	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	52269m	50.834	ug/l	
77) Bromobenzene	12.617	156	102945	53.778	ug/l	95
78) n-propylbenzene	12.678	91	504093	49.528	ug/l	99
79) 2-Chlorotoluene	12.764	91	281131	50.369	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	339075	51.517	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	25147	56.512	ug/l	98
82) 4-Chlorotoluene	12.861	91	286862	50.092	ug/l	98
83) tert-Butylbenzene	13.081	119	306982	51.540	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	334632	51.861	ug/l	98
85) sec-Butylbenzene	13.257	105	450164	50.428	ug/l	99
86) p-Isopropyltoluene	13.373	119	385425	51.999	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	202053	52.088	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	195142	52.403	ug/l	98
89) n-Butylbenzene	13.702	91	340119	50.720	ug/l	99
90) Hexachloroethane	13.965	117	75759	50.121	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	173210	53.903	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10028	58.703	ug/l	94
93) 1,2,4-Trichlorobenzene	15.013	180	91949	59.069	ug/l	98
94) Hexachlorobutadiene	15.117	225	53608	53.651	ug/l	98
95) Naphthalene	15.239	128	160383	55.421	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	78561	61.126	ug/l	98

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

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