

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040924\
 Data File : VY017891.D
 Acq On : 09 Apr 2024 16:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/10/2024
 Supervised By :Semsettin Yesilyurt 04/10/2024

Quant Time: Apr 10 04:26:29 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	7.783	168	146566	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	238250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	207554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	58593	46.198	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.400%		
35) Dibromofluoromethane	7.710	113	64716	47.008	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.020%		
50) Toluene-d8	10.179	98	241462	46.953	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.900%		
62) 4-Bromofluorobenzene	12.483	95	69860	44.649	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.300%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	51548	52.590	ug/l	100
3) Chloromethane	2.107	50	113393	59.273	ug/l	95
4) Vinyl Chloride	2.241	62	174998	69.995	ug/l	99
5) Bromomethane	2.643	94	160020	79.159	ug/l	98
6) Chloroethane	2.784	64	132254	81.077	ug/l	100
7) Trichlorofluoromethane	3.113	101	142971	58.639	ug/l	98
8) Diethyl Ether	3.515	74	35365	49.379	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.887	101	74558	50.991	ug/l	98
10) Methyl Iodide	4.076	142	92055	57.893	ug/l	97
11) Tert butyl alcohol	4.942	59	19896	211.471	ug/l #	80
12) 1,1-Dichloroethene	3.857	96	70557	51.567	ug/l	96
13) Acrolein	3.716	56	15779	177.579	ug/l	96
14) Allyl chloride	4.466	41	79376	47.287	ug/l	86
15) Acrylonitrile	5.143	53	66778	220.889	ug/l	98
16) Acetone	3.930	43	48175	183.758	ug/l	93
17) Carbon Disulfide	4.180	76	183550	47.404	ug/l	98
18) Methyl Acetate	4.460	43	24204	41.682	ug/l	94
19) Methyl tert-butyl Ether	5.204	73	162847	51.981	ug/l	98
20) Methylene Chloride	4.698	84	81148	50.540	ug/l	98
21) trans-1,2-Dichloroethene	5.204	96	80545	55.011	ug/l	98
22) Diisopropyl ether	6.106	45	195654	50.429	ug/l	94
23) Vinyl Acetate	6.045	43	570277	240.743	ug/l	98
24) 1,1-Dichloroethane	6.003	63	140353	54.504	ug/l	99
25) 2-Butanone	6.972	43	74518	199.527	ug/l	96
26) 2,2-Dichloropropane	6.972	77	116786	52.508	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	98437	56.887	ug/l	99
28) Bromochloromethane	7.319	49	46371	44.281	ug/l	98
29) Tetrahydrofuran	7.338	42	46944	209.482	ug/l	95
30) Chloroform	7.496	83	153301	57.378	ug/l	100
31) Cyclohexane	7.777	56	97131	43.473	ug/l	97
32) 1,1,1-Trichloroethane	7.691	97	128920	56.692	ug/l	96
36) 1,1-Dichloropropene	7.911	75	105301	52.422	ug/l	97
37) Ethyl Acetate	7.063	43	35824	41.326	ug/l	98
38) Carbon Tetrachloride	7.893	117	112196	53.803	ug/l	98
39) Methylcyclohexane	9.179	83	123042	49.038	ug/l	99
40) Benzene	8.155	78	329235	53.184	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	30761m	59.824	ug/l	
42) 1,2-Dichloroethane	8.228	62	81176	53.276	ug/l	98
43) Isopropyl Acetate	8.264	43	70322	44.701	ug/l	99
44) Trichloroethene	8.935	130	85902	53.336	ug/l	95
45) 1,2-Dichloropropane	9.209	63	74002	51.445	ug/l	99
46) Dibromomethane	9.301	93	42673	52.215	ug/l	97
47) Bromodichloromethane	9.490	83	114207	55.306	ug/l	96
48) Methyl methacrylate	9.289	41	30070	45.709	ug/l #	87
49) 1,4-Dioxane	9.295	88	9364	1020.653	ug/l #	94
51) 4-Methyl-2-Pentanone	10.069	43	181894	235.746	ug/l	100
52) Toluene	10.240	92	206545	55.006	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	95400	52.031	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	117157	52.354	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	56685	52.054	ug/l	98
56) Ethyl methacrylate	10.508	69	69253	51.561	ug/l #	95
57) 1,3-Dichloropropane	10.788	76	93140	50.571	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	129774	199.275	ug/l	99
59) 2-Hexanone	10.831	43	119990	220.967	ug/l	99
60) Dibromochloromethane	10.983	129	74245	54.057	ug/l	98
61) 1,2-Dibromoethane	11.087	107	51095	51.457	ug/l	98
64) Tetrachloroethene	10.721	164	97151	53.666	ug/l	96
65) Chlorobenzene	11.514	112	228980	53.781	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	80546	55.716	ug/l	98
67) Ethyl Benzene	11.593	91	404289	55.237	ug/l	98
68) m/p-Xylenes	11.703	106	309479	111.494	ug/l	99
69) o-Xylene	12.032	106	144444	60.487	ug/l	99
70) Styrene	12.044	104	245368	59.770	ug/l	99
71) Bromoform	12.209	173	40002	49.919	ug/l #	96
73) Isopropylbenzene	12.331	105	377189	56.522	ug/l	100
74) N-amyl acetate	12.142	43	61694	49.164	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	54145	46.905	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	41164m	47.438	ug/l	
77) Bromobenzene	12.611	156	86085	54.164	ug/l	95
78) n-propylbenzene	12.672	91	454947	55.871	ug/l	99
79) 2-Chlorotoluene	12.758	91	243702	54.639	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	295254	56.692	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	18129	48.890	ug/l	98
82) 4-Chlorotoluene	12.855	91	248884	53.890	ug/l	98
83) tert-Butylbenzene	13.075	119	270668	57.164	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	297399	57.336	ug/l	100
85) sec-Butylbenzene	13.251	105	411686	57.929	ug/l	100
86) p-Isopropyltoluene	13.367	119	343108	57.760	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	172944	54.838	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	161431	53.479	ug/l	99
89) n-Butylbenzene	13.696	91	310249	56.767	ug/l	99
90) Hexachloroethane	13.965	117	67401	57.061	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	139989	53.551	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6818	43.707	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	74351	51.927	ug/l	99
94) Hexachlorobutadiene	15.111	225	47036	54.189	ug/l	99
95) Naphthalene	15.239	128	120540	51.347	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	61450	50.807	ug/l	98

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

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