

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050124\
 Data File : VY018091.D
 Acq On : 01 May 2024 10:32
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 05/02/2024
 Supervised By :Semsettin Yesilyurt 05/02/2024

Quant Time: May 01 16:03:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 14:41:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	353641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	560175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	485623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	227386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	152622	54.752	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.500%	
35) Dibromofluoromethane	7.710	113	175486	54.513	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.020%	
50) Toluene-d8	10.179	98	687433	54.700	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.400%	
62) 4-Bromofluorobenzene	12.477	95	230221	53.231	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.460%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	144954	51.350	ug/l	99
3) Chloromethane	2.107	50	195077	52.889	ug/l	99
4) Vinyl Chloride	2.247	62	217382	54.473	ug/l	96
5) Bromomethane	2.650	94	132628	53.844	ug/l	99
6) Chloroethane	2.790	64	139005	55.931	ug/l	95
7) Trichlorofluoromethane	3.119	101	288307	54.266	ug/l	95
8) Diethyl Ether	3.521	74	94464	55.376	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	177259	53.463	ug/l	95
10) Methyl Iodide	4.082	142	252289	57.411	ug/l	98
11) Tert butyl alcohol	4.960	59	60169	287.841	ug/l #	82
12) 1,1-Dichloroethene	3.863	96	183293	54.214	ug/l	96
13) Acrolein	3.723	56	84250	249.153	ug/l	99
14) Allyl chloride	4.473	41	243297	54.428	ug/l	97
15) Acrylonitrile	5.155	53	180352	281.466	ug/l	99
16) Acetone	3.942	43	161084	285.580	ug/l	93
17) Carbon Disulfide	4.186	76	551485	54.627	ug/l	99
18) Methyl Acetate	4.466	43	72801	53.529	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	432926	55.802	ug/l	96
20) Methylene Chloride	4.704	84	189323	50.878	ug/l	99
21) trans-1,2-Dichloroethene	5.210	96	197919	55.068	ug/l	97
22) Diisopropyl ether	6.112	45	496684	53.950	ug/l	94
23) Vinyl Acetate	6.051	43	1619661	277.379	ug/l	99
24) 1,1-Dichloroethane	6.009	63	300455	54.046	ug/l	98
25) 2-Butanone	6.978	43	247048	299.037	ug/l	93
26) 2,2-Dichloropropane	6.972	77	279648	53.788	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	234434	54.695	ug/l	96
28) Bromochloromethane	7.326	49	109014	48.524	ug/l	91
29) Tetrahydrofuran	7.338	42	150294	286.164	ug/l	96
30) Chloroform	7.502	83	318887	54.208	ug/l	98
31) Cyclohexane	7.783	56	275989	51.672	ug/l	97
32) 1,1,1-Trichloroethane	7.698	97	292284	54.436	ug/l	98
36) 1,1-Dichloropropene	7.911	75	237441	55.255	ug/l	97
37) Ethyl Acetate	7.070	43	108330	57.931	ug/l #	96
38) Carbon Tetrachloride	7.899	117	267966	54.941	ug/l	98
39) Methylcyclohexane	9.179	83	341233	54.065	ug/l	97
40) Benzene	8.155	78	757900	54.888	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	55598	47.429	ug/l	98
42) 1,2-Dichloroethane	8.234	62	177732	55.559	ug/l	97
43) Isopropyl Acetate	8.265	43	222116	56.537	ug/l	95
44) Trichloroethene	8.935	130	215516	55.038	ug/l	96
45) 1,2-Dichloropropane	9.216	63	164608	54.639	ug/l	100
46) Dibromomethane	9.301	93	100324	54.772	ug/l	93
47) Bromodichloromethane	9.496	83	249469	55.478	ug/l	99
48) Methyl methacrylate	9.289	41	101017	56.171	ug/l	91
49) 1,4-Dioxane	9.307	88	23718	1167.137	ug/l #	96
51) 4-Methyl-2-Pentanone	10.069	43	549186	286.215	ug/l	95
52) Toluene	10.240	92	500784	54.799	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	243975	56.153	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	285912	56.014	ug/l #	92
55) 1,1,2-Trichloroethane	10.642	97	138695	56.298	ug/l	96
56) Ethyl methacrylate	10.508	69	195691	56.182	ug/l #	87
57) 1,3-Dichloropropane	10.788	76	221628	56.311	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	442504	272.149	ug/l	92
59) 2-Hexanone	10.831	43	409385	298.933	ug/l	94
60) Dibromochloromethane	10.984	129	188898	56.453	ug/l	99
61) 1,2-Dibromoethane	11.087	107	135366	57.341	ug/l	98
64) Tetrachloroethene	10.715	164	190298	54.135	ug/l	97
65) Chlorobenzene	11.514	112	562208	54.850	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	189572	54.981	ug/l	99
67) Ethyl Benzene	11.593	91	938477	54.597	ug/l	95
68) m/p-Xylenes	11.703	106	753123	109.347	ug/l	98
69) o-Xylene	12.026	106	359656	54.357	ug/l	97
70) Styrene	12.044	104	613892	55.126	ug/l	99
71) Bromoform	12.209	173	115334	57.081	ug/l #	97
73) Isopropylbenzene	12.325	105	918976	53.698	ug/l	97
74) N-amyl acetate	12.142	43	214497	57.105	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	151209	55.527	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	104525m	29.616	ug/l	
77) Bromobenzene	12.605	156	224447	55.195	ug/l	95
78) n-propylbenzene	12.672	91	1073638	54.479	ug/l	97
79) 2-Chlorotoluene	12.758	91	604167	53.980	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	746438	54.118	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	59495	56.796	ug/l	98
82) 4-Chlorotoluene	12.855	91	625330	54.523	ug/l	97
83) tert-Butylbenzene	13.075	119	690403	54.674	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	735178	54.410	ug/l	99
85) sec-Butylbenzene	13.251	105	978216	53.982	ug/l	97
86) p-Isopropyltoluene	13.367	119	822558	54.469	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	425340	54.687	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	421498	54.984	ug/l	99
89) n-Butylbenzene	13.696	91	732516	54.811	ug/l	97
90) Hexachloroethane	13.959	117	165797	54.038	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	375870	55.460	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23039	56.086	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	214889	56.732	ug/l	97
94) Hexachlorobutadiene	15.111	225	111971	53.405	ug/l	98
95) Naphthalene	15.233	128	407629	58.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	179911	56.922	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

