

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012924\
 Data File : VY017126.D
 Acq On : 29 Jan 2024 10:27
 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 01/30/2024
 Supervised By :Semsettin Yesilyurt 01/30/2024

Quant Time: Jan 30 00:27:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 04:44:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	132724	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	214276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	182436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	81317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	63465	49.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.160%		
35) Dibromofluoromethane	7.740	113	67431	52.141	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.280%		
50) Toluene-d8	10.197	98	256075	52.425	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	104.840%		
62) 4-Bromofluorobenzene	12.495	95	79817	53.044	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	106.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	45499	46.982	ug/l	95
3) Chloromethane	2.125	50	80831	47.944	ug/l	99
4) Vinyl Chloride	2.266	62	98217	51.480	ug/l	99
5) Bromomethane	2.668	94	70505	49.306	ug/l	96
6) Chloroethane	2.814	64	66275	52.860	ug/l	99
7) Trichlorofluoromethane	3.144	101	108567	49.702	ug/l	98
8) Diethyl Ether	3.546	74	33142	43.339	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.924	101	68872	46.392	ug/l	99
10) Methyl Iodide	4.119	142	66901	47.436	ug/l	99
11) Tert butyl alcohol	4.979	59	19264	199.683	ug/l #	88
12) 1,1-Dichloroethene	3.893	96	63234	46.532	ug/l	97
13) Acrolein	3.747	56	28973	186.818	ug/l	98
14) Allyl chloride	4.509	41	96759	47.107	ug/l	100
15) Acrylonitrile	5.192	53	74643	224.905	ug/l	100
16) Acetone	3.967	43	76134	212.942	ug/l	98
17) Carbon Disulfide	4.223	76	180782	44.138	ug/l	99
18) Methyl Acetate	4.503	43	64188	48.386	ug/l	100
19) Methyl tert-butyl Ether	5.253	73	149410	45.055	ug/l	96
20) Methylene Chloride	4.741	84	70596	48.970	ug/l	98
21) trans-1,2-Dichloroethene	5.247	96	74033	47.099	ug/l	99
22) Diisopropyl ether	6.143	45	220148	48.556	ug/l	95
23) Vinyl Acetate	6.088	43	494110	224.664	ug/l	100
24) 1,1-Dichloroethane	6.045	63	129018	46.653	ug/l	99
25) 2-Butanone	7.009	43	99700	203.458	ug/l	99
26) 2,2-Dichloropropane	7.009	77	110723	46.877	ug/l	100
27) cis-1,2-Dichloroethene	7.015	96	82065	47.113	ug/l	99
28) Bromochloromethane	7.356	49	53887	48.945	ug/l	99
29) Tetrahydrofuran	7.368	42	60156	229.413	ug/l	99
30) Chloroform	7.533	83	132701	47.124	ug/l	100
31) Cyclohexane	7.807	56	115126	50.194	ug/l	99
32) 1,1,1-Trichloroethane	7.728	97	113996	47.210	ug/l	99
36) 1,1-Dichloropropene	7.941	75	104040	48.895	ug/l	99
37) Ethyl Acetate	7.100	43	41689	45.565	ug/l	99
38) Carbon Tetrachloride	7.923	117	102266	49.044	ug/l	97
39) Methylcyclohexane	9.203	83	126588	49.463	ug/l	99
40) Benzene	8.179	78	301338	48.765	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	25489m	52.090	ug/l	
42) 1,2-Dichloroethane	8.258	62	75736	47.274	ug/l	99
43) Isopropyl Acetate	8.289	43	78583	46.008	ug/l	100
44) Trichloroethene	8.960	130	78360	49.441	ug/l	97
45) 1,2-Dichloropropane	9.234	63	75557	49.816	ug/l	98
46) Dibromomethane	9.325	93	37673	46.770	ug/l	99
47) Bromodichloromethane	9.514	83	99902	48.751	ug/l	97
48) Methyl methacrylate	9.307	41	44807	47.247	ug/l	97
49) 1,4-Dioxane	9.319	88	8228	1038.608	ug/l	99
51) 4-Methyl-2-Pentanone	10.087	43	214056	235.593	ug/l	99
52) Toluene	10.258	92	187385	50.100	ug/l	100
53) t-1,3-Dichloropropene	10.484	75	91686	48.977	ug/l	99
54) cis-1,3-Dichloropropene	9.947	75	112500	48.862	ug/l	99
55) 1,1,2-Trichloroethane	10.660	97	53079	47.148	ug/l	99
56) Ethyl methacrylate	10.526	69	47014	47.755	ug/l	97
57) 1,3-Dichloropropane	10.807	76	91119	47.873	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	192562	281.781	ug/l	100
59) 2-Hexanone	10.849	43	152236	219.624	ug/l	99
60) Dibromochloromethane	11.002	129	62936	48.118	ug/l	99
61) 1,2-Dibromoethane	11.105	107	48567	47.489	ug/l	98
64) Tetrachloroethene	10.740	164	61991	48.750	ug/l	97
65) Chlorobenzene	11.532	112	191271	49.475	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	70559	49.966	ug/l	99
67) Ethyl Benzene	11.605	91	359279	51.120	ug/l	98
68) m/p-Xylenes	11.715	106	267842	101.432	ug/l	100
69) o-Xylene	12.044	106	123548	51.508	ug/l	99
70) Styrene	12.057	104	181129	52.016	ug/l	99
71) Bromoform	12.221	173	34638	48.917	ug/l #	99
73) Isopropylbenzene	12.343	105	339010	50.713	ug/l	99
74) N-amyl acetate	12.160	43	63298	46.976	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.593	83	59195	46.438	ug/l	98
76) 1,2,3-Trichloropropane	12.648	75	43935m	44.513	ug/l	
77) Bromobenzene	12.624	156	71530	49.451	ug/l	97
78) n-propylbenzene	12.684	91	414838	51.594	ug/l	100
79) 2-Chlorotoluene	12.770	91	221091	50.109	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	270989	51.220	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	17258	45.266	ug/l	97
82) 4-Chlorotoluene	12.867	91	226479	49.527	ug/l	98
83) tert-Butylbenzene	13.087	119	232394	50.782	ug/l	98
84) 1,2,4-Trimethylbenzene	13.136	105	266451	50.672	ug/l	98
85) sec-Butylbenzene	13.270	105	353193	52.123	ug/l	99
86) p-Isopropyltoluene	13.386	119	295992	52.440	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	139795	48.951	ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	136395	48.542	ug/l	99
89) n-Butylbenzene	13.709	91	284463	52.249	ug/l	99
90) Hexachloroethane	13.977	117	59164	50.290	ug/l	100
91) 1,2-Dichlorobenzene	13.751	146	119052	48.815	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	7187	44.145	ug/l	97
93) 1,2,4-Trichlorobenzene	15.026	180	60587	47.539	ug/l	98
94) Hexachlorobutadiene	15.129	225	37081	48.344	ug/l	98
95) Naphthalene	15.251	128	102097	45.357	ug/l	100
96) 1,2,3-Trichlorobenzene	15.440	180	48685	45.916	ug/l	97

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

