

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071524\
 Data File : VY018822.D
 Acq On : 15 Jul 2024 19:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/16/2024
 Supervised By :Semsettin Yesilyurt 07/16/2024

Quant Time: Jul 16 01:29:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.771	168	92732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	146620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	133687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	70608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	48408	53.050	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.100%			
35) Dibromofluoromethane	7.704	113	47608	51.843	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.680%			
50) Toluene-d8	10.173	98	171993	49.436	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.880%			
62) 4-Bromofluorobenzene	12.477	95	62499	52.603	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.894	85	37622	48.418	ug/l	96
3) Chloromethane	2.101	50	60771	51.466	ug/l	95
4) Vinyl Chloride	2.229	62	64548	46.730	ug/l	100
5) Bromomethane	2.625	94	46894	49.355	ug/l	99
6) Chloroethane	2.765	64	40700	45.354	ug/l	95
7) Trichlorofluoromethane	3.089	101	98556	54.602	ug/l	100
8) Diethyl Ether	3.509	74	24436	55.545	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.863	101	46178	49.864	ug/l	95
10) Methyl Iodide	4.064	142	50290	50.428	ug/l	92
11) Tert butyl alcohol	4.948	59	20839	225.440	ug/l #	83
12) 1,1-Dichloroethene	3.845	96	44786	49.990	ug/l	99
13) Acrolein	3.704	56	16545	223.402	ug/l	100
14) Allyl chloride	4.442	41	55723	50.205	ug/l	91
15) Acrylonitrile	5.137	53	52799	304.225	ug/l	98
16) Acetone	3.924	43	42269	251.256	ug/l	92
17) Carbon Disulfide	4.162	76	122384	48.785	ug/l	100
18) Methyl Acetate	4.460	43	29040	59.409	ug/l	99
19) Methyl tert-butyl Ether	5.198	73	119436	57.468	ug/l	92
20) Methylene Chloride	4.686	84	64635	69.808	ug/l	98
21) trans-1,2-Dichloroethene	5.192	96	49043	51.866	ug/l	97
22) Diisopropyl ether	6.100	45	130752	54.157	ug/l	94
23) Vinyl Acetate	6.039	43	534522	281.019	ug/l	98
24) 1,1-Dichloroethane	5.984	63	78748	51.086	ug/l	97
25) 2-Butanone	6.966	43	66442	281.758	ug/l	96
26) 2,2-Dichloropropane	6.960	77	63449	44.361	ug/l	99
27) cis-1,2-Dichloroethene	6.966	96	58714	53.333	ug/l	99
28) Bromochloromethane	7.313	49	35586	57.477	ug/l	97
29) Tetrahydrofuran	7.332	42	43975	304.183	ug/l	96
30) Chloroform	7.490	83	91210	53.091	ug/l	99
31) Cyclohexane	7.765	56	66015	47.090	ug/l	96
32) 1,1,1-Trichloroethane	7.685	97	82471	51.623	ug/l	98
36) 1,1-Dichloropropene	7.899	75	62783	49.541	ug/l	100
37) Ethyl Acetate	7.057	43	30121	57.181	ug/l	98
38) Carbon Tetrachloride	7.886	117	77661	50.880	ug/l	98
39) Methylcyclohexane	9.173	83	79935	49.219	ug/l	93
40) Benzene	8.149	78	190318	51.769	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	16724m	55.686	ug/l	
42) 1,2-Dichloroethane	8.222	62	56444	54.838	ug/l	97
43) Isopropyl Acetate	8.264	43	59920	57.166	ug/l #	84
44) Trichloroethene	8.929	130	54123	51.503	ug/l	94
45) 1,2-Dichloropropane	9.203	63	42487	53.072	ug/l	97
46) Dibromomethane	9.295	93	29327	56.516	ug/l	99
47) Bromodichloromethane	9.490	83	71447	55.115	ug/l	97
48) Methyl methacrylate	9.283	41	27918	58.599	ug/l #	87
49) 1,4-Dioxane	9.289	88	7709	1267.340	ug/l #	99
51) 4-Methyl-2-Pentanone	10.063	43	162389	303.444	ug/l	93
52) Toluene	10.234	92	125662	51.427	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	60982	54.484	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	70641	53.799	ug/l #	87
55) 1,1,2-Trichloroethane	10.636	97	38329	58.330	ug/l	94
56) Ethyl methacrylate	10.502	69	52451	60.629	ug/l #	86
57) 1,3-Dichloropropane	10.782	76	62953	57.793	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	120432	291.381	ug/l	93
59) 2-Hexanone	10.825	43	114462	305.729	ug/l	90
60) Dibromochloromethane	10.977	129	53049	58.757	ug/l	97
61) 1,2-Dibromoethane	11.081	107	37121	58.108	ug/l	100
64) Tetrachloroethene	10.715	164	51016	47.146	ug/l	98
65) Chlorobenzene	11.514	112	144311	51.172	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	50615	52.092	ug/l	97
67) Ethyl Benzene	11.587	91	245611	49.715	ug/l	96
68) m/p-Xylenes	11.697	106	191734	98.898	ug/l	98
69) o-Xylene	12.026	106	93625	51.367	ug/l	99
70) Styrene	12.038	104	158241	52.032	ug/l	98
71) Bromoform	12.203	173	30826	58.203	ug/l #	96
73) Isopropylbenzene	12.325	105	238526	46.158	ug/l	98
74) N-amyl acetate	12.142	43	56452	53.417	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	44216	54.277	ug/l	95
76) 1,2,3-Trichloropropane	12.623	75	32124m	58.089	ug/l	
77) Bromobenzene	12.605	156	59852	48.516	ug/l	93
78) n-propylbenzene	12.666	91	280846	45.766	ug/l	96
79) 2-Chlorotoluene	12.751	91	159793	46.309	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	198104	46.853	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	12304	49.794	ug/l	90
82) 4-Chlorotoluene	12.849	91	163391	45.985	ug/l	98
83) tert-Butylbenzene	13.069	119	185468	47.512	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	198655	47.281	ug/l	98
85) sec-Butylbenzene	13.251	105	258987	46.742	ug/l	98
86) p-Isopropyltoluene	13.367	119	223648	46.755	ug/l	95
87) 1,3-Dichlorobenzene	13.361	146	115839	47.809	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	118318	49.270	ug/l	97
89) n-Butylbenzene	13.690	91	201238	46.405	ug/l	98
90) Hexachloroethane	13.959	117	42007	47.221	ug/l	97
91) 1,2-Dichlorobenzene	13.733	146	106029	50.659	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7505	56.855	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	69638	54.505	ug/l	94
94) Hexachlorobutadiene	15.111	225	36947	50.170	ug/l	98
95) Naphthalene	15.233	128	133239	60.790	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	59961	54.850	ug/l	98

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

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