

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022624\
 Data File : VY017476.D
 Acq On : 26 Feb 2024 09:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/27/2024
 Supervised By :Semsettin Yesilyurt 02/27/2024

Quant Time: Feb 27 01:50:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	160614	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	248507	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.508	117	214490	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	100568	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	62344	40.957	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.920%		
35) Dibromofluoromethane	7.734	113	71381	41.221	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.440%		
50) Toluene-d8	10.197	98	273027	45.094	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.180%		
62) 4-Bromofluorobenzene	12.495	95	82875	43.554	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	87.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	48885	41.261	ug/l	97
3) Chloromethane	2.125	50	89316	41.259	ug/l	98
4) Vinyl Chloride	2.259	62	122175	43.993	ug/l	99
5) Bromomethane	2.662	94	94143	41.598	ug/l	97
6) Chloroethane	2.808	64	80154	45.751	ug/l	99
7) Trichlorofluoromethane	3.137	101	117155	41.391	ug/l	93
8) Diethyl Ether	3.546	74	35004	42.165	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.918	101	72862	44.754	ug/l	99
10) Methyl Iodide	4.107	142	86343	47.256	ug/l	100
11) Tert butyl alcohol	4.978	59	22157	171.361	ug/l #	84
12) 1,1-Dichloroethene	3.887	96	67241	44.317	ug/l	97
13) Acrolein	3.741	56	43122	252.755	ug/l	99
14) Allyl chloride	4.497	41	82649	45.082	ug/l	99
15) Acrylonitrile	5.180	53	73072	214.121	ug/l	99
16) Acetone	3.960	43	77268	261.710	ug/l	96
17) Carbon Disulfide	4.216	76	200833	44.099	ug/l	98
18) Methyl Acetate	4.491	43	31538	44.030	ug/l	99
19) Methyl tert-butyl Ether	5.241	73	159922	45.221	ug/l	98
20) Methylene Chloride	4.741	84	78000	44.347	ug/l	97
21) trans-1,2-Dichloroethene	5.241	96	79119	44.537	ug/l	99
22) Diisopropyl ether	6.137	45	196167	46.370	ug/l	94
23) Vinyl Acetate	6.082	43	581627	230.721	ug/l	97
24) 1,1-Dichloroethane	6.039	63	128054	44.306	ug/l	99
25) 2-Butanone	7.002	43	98307	233.642	ug/l	97
26) 2,2-Dichloropropane	7.002	77	114111	46.960	ug/l	100
27) cis-1,2-Dichloroethene	7.009	96	89260	44.750	ug/l	100
28) Bromochloromethane	7.356	49	55524	48.780	ug/l	100
29) Tetrahydrofuran	7.368	42	56314	222.026	ug/l	100
30) Chloroform	7.527	83	136306	44.297	ug/l	97
31) Cyclohexane	7.807	56	112178	45.284	ug/l	97
32) 1,1,1-Trichloroethane	7.722	97	121569	45.506	ug/l	99
36) 1,1-Dichloropropene	7.935	75	107753	46.119	ug/l	99
37) Ethyl Acetate	7.088	43	40629	44.028	ug/l	98
38) Carbon Tetrachloride	7.917	117	107622	45.961	ug/l	99
39) Methylcyclohexane	9.203	83	137833	49.088	ug/l	98
40) Benzene	8.179	78	314519	45.330	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	23306m	50.329	ug/l	
42) 1,2-Dichloroethane	8.252	62	74967	44.283	ug/l	99
43) Isopropyl Acetate	8.289	43	72772	44.877	ug/l	100
44) Trichloroethene	8.959	130	86322	43.163	ug/l	99
45) 1,2-Dichloropropane	9.234	63	73852	44.738	ug/l	98
46) Dibromomethane	9.325	93	41569	44.000	ug/l	99
47) Bromodichloromethane	9.514	83	103160	44.971	ug/l	99
48) Methyl methacrylate	9.307	41	34264	45.649	ug/l	99
49) 1,4-Dioxane	9.313	88	8706	814.269	ug/l #	99
51) 4-Methyl-2-Pentanone	10.087	43	202695	224.280	ug/l	100
52) Toluene	10.258	92	199729	45.662	ug/l	99
53) t-1,3-Dichloropropene	10.484	75	96999	45.558	ug/l	95
54) cis-1,3-Dichloropropene	9.947	75	118371	45.754	ug/l	98
55) 1,1,2-Trichloroethane	10.660	97	57754	43.056	ug/l	98
56) Ethyl methacrylate	10.526	69	68172	41.753	ug/l	99
57) 1,3-Dichloropropane	10.807	76	95155	43.632	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.801	63	130921	169.142	ug/l	99
59) 2-Hexanone	10.849	43	148928	239.907	ug/l	100
60) Dibromochloromethane	11.002	129	70412	44.373	ug/l	98
61) 1,2-Dibromoethane	11.105	107	54030	43.709	ug/l	100
64) Tetrachloroethene	10.734	164	82695	40.168	ug/l	99
65) Chlorobenzene	11.532	112	206985	45.464	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.605	131	77240	45.286	ug/l	99
67) Ethyl Benzene	11.611	91	380934	47.710	ug/l	97
68) m/p-Xylenes	11.715	106	300745	95.859	ug/l	99
69) o-Xylene	12.044	106	137642	47.289	ug/l	99
70) Styrene	12.063	104	227914	47.174	ug/l	99
71) Bromoform	12.221	173	41286	43.682	ug/l #	99
73) Isopropylbenzene	12.343	105	370707	49.616	ug/l	100
74) N-amyl acetate	12.160	43	63144	47.917	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.599	83	61750	48.128	ug/l	99
76) 1,2,3-Trichloropropane	12.648	75	49224m	51.514	ug/l	
77) Bromobenzene	12.623	156	82546	45.621	ug/l	98
78) n-propylbenzene	12.684	91	453145	50.545	ug/l	100
79) 2-Chlorotoluene	12.770	91	239230	47.662	ug/l	100
80) 1,3,5-Trimethylbenzene	12.831	105	293639	49.055	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	19515	46.927	ug/l	96
82) 4-Chlorotoluene	12.867	91	245048	47.732	ug/l	99
83) tert-Butylbenzene	13.093	119	266271	50.657	ug/l	98
84) 1,2,4-Trimethylbenzene	13.136	105	289699	49.022	ug/l	100
85) sec-Butylbenzene	13.270	105	404948	50.389	ug/l	100
86) p-Isopropyltoluene	13.385	119	337161	51.251	ug/l	100
87) 1,3-Dichlorobenzene	13.379	146	167390	46.090	ug/l	100
88) 1,4-Dichlorobenzene	13.465	146	162013	45.885	ug/l	99
89) n-Butylbenzene	13.709	91	312277	52.028	ug/l	100
90) Hexachloroethane	13.977	117	61545	46.664	ug/l	99
91) 1,2-Dichlorobenzene	13.751	146	139522	45.417	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	8062	44.697	ug/l	96
93) 1,2,4-Trichlorobenzene	15.025	180	74697	46.034	ug/l	99
94) Hexachlorobutadiene	15.129	225	47591	47.504	ug/l	99
95) Naphthalene	15.251	128	127439	41.274	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	62388	44.818	ug/l	99

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

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