

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042023\
 Data File : VY013380.D
 Acq On : 20 Apr 2023 19:54
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/21/2023
 Supervised By :Mahesh Dadoda 04/22/2023

Quant Time: Apr 21 02:16:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	116145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	173854	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	191145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	165590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	80447	57.635	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.280%			
35) Dibromofluoromethane	7.716	113	57342	50.947	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.900%			
50) Toluene-d8	10.179	98	228908	54.640	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.280%			
62) 4-Bromofluorobenzene	12.477	95	158468	116.419	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 232.840%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	83401	79.785	ug/l	97
3) Chloromethane	2.113	50	116566	89.009	ug/l	99
4) Vinyl Chloride	2.247	62	122455	98.624	ug/l	100
5) Bromomethane	2.656	94	87481	91.878	ug/l	92
6) Chloroethane	2.790	64	77740	92.840	ug/l	97
7) Trichlorofluoromethane	3.125	101	210786	109.073	ug/l	99
8) Diethyl Ether	3.527	74	78188	111.359	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.899	101	124965	110.041	ug/l	96
10) Methyl Iodide	4.088	142	162443	116.616	ug/l	100
11) Tert butyl alcohol	4.985	59	42127	255.791	ug/l #	74
12) 1,1-Dichloroethene	3.869	96	118626	108.541	ug/l	93
13) Acrolein	3.729	56	90382	527.116	ug/l	99
14) Allyl chloride	4.479	41	137240	65.737	ug/l #	83
15) Acrylonitrile	5.161	53	77206	191.358	ug/l #	94
16) Acetone	3.954	43	229525	478.263	ug/l	100
17) Carbon Disulfide	4.192	76	344068	95.624	ug/l	99
18) Methyl Acetate	4.479	43	119469	76.970	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	193602	59.135	ug/l #	85
20) Methylene Chloride	4.716	84	74872	59.914	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	56801	45.528	ug/l	89
22) Diisopropyl ether	6.118	45	132264	32.146	ug/l #	70
23) Vinyl Acetate	6.058	43	579467	222.785	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	103350	44.968	ug/l	97
25) 2-Butanone	6.978	43	97072	157.974	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	117997	57.225	ug/l	93
27) cis-1,2-Dichloroethene	6.978	96	65930	48.599	ug/l	94
28) Bromochloromethane	7.338	49	30487	33.283	ug/l #	48
29) Tetrahydrofuran	7.350	42	49188	131.798	ug/l #	36
30) Chloroform	7.502	83	131953	56.734	ug/l	98
31) Cyclohexane	7.783	56	50350	23.857	ug/l #	60
32) 1,1,1-Trichloroethane	7.704	97	141025	67.025	ug/l	98
36) 1,1-Dichloropropene	7.917	75	65063	38.158	ug/l	95
37) Ethyl Acetate	7.076	43	47899	34.850	ug/l	98
38) Carbon Tetrachloride	7.899	117	131684	69.844	ug/l	99
39) Methylcyclohexane	9.185	83	151627	76.495	ug/l	95
40) Benzene	8.161	78	194212	39.354	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.307	41	32832	57.578	ug/l	#	100
42) 1,2-Dichloroethane	8.234	62	112054	66.970	ug/l		91
43) Isopropyl Acetate	8.271	43	91723	40.178	ug/l	#	94
44) Trichloroethene	8.941	130	83200	65.446	ug/l		95
45) 1,2-Dichloropropane	9.215	63	58311	45.524	ug/l		100
46) Dibromomethane	9.307	93	44343	57.521	ug/l	#	87
47) Bromodichloromethane	9.496	83	112883	64.053	ug/l	#	99
48) Methyl methacrylate	9.295	41	48083	45.853	ug/l	#	75
49) 1,4-Dioxane	9.307	88	7360	704.663	ug/l	#	63
51) 4-Methyl-2-Pentanone	10.069	43	301231	242.451	ug/l		97
52) Toluene	10.240	92	167479	56.202	ug/l		99
53) t-1,3-Dichloropropene	10.465	75	158684	85.980	ug/l		99
54) cis-1,3-Dichloropropene	9.929	75	122425	60.496	ug/l	#	89
55) 1,1,2-Trichloroethane	10.642	97	56700	55.782	ug/l		93
56) Ethyl methacrylate	10.508	69	82289	59.126	ug/l	#	86
57) 1,3-Dichloropropane	10.788	76	119519	69.135	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.789	63	188918	325.092	ug/l	#	87
59) 2-Hexanone	10.831	43	212080	234.759	ug/l		98
60) Dibromochloromethane	10.983	129	146977	115.320	ug/l		99
61) 1,2-Dibromoethane	11.099	107	74077	74.841	ug/l		100
64) Tetrachloroethene	10.715	164	100677	74.658	ug/l		99
65) Chlorobenzene	11.514	112	215117	53.798	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.587	131	94835	63.200	ug/l		94
67) Ethyl Benzene	11.593	91	371781	53.385	ug/l		96
68) m/p-Xylenes	11.703	106	290779	109.128	ug/l		98
69) o-Xylene	12.026	106	135059	54.729	ug/l		99
70) Styrene	12.044	104	228884	54.914	ug/l		95
71) Bromoform	12.215	173	77260	74.321	ug/l	#	98
73) Isopropylbenzene	12.325	105	440126	38.749	ug/l		98
74) N-amyl acetate	12.142	43	82306	20.311	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.581	83	160784	57.302	ug/l		99
76) 1,2,3-Trichloropropane	12.629	75	116661m	56.539	ug/l		
77) Bromobenzene	12.605	156	164078	57.766	ug/l		95
78) n-propylbenzene	12.672	91	751950	53.603	ug/l		99
79) 2-Chlorotoluene	12.758	91	424228	53.725	ug/l		98
80) 1,3,5-Trimethylbenzene	12.812	105	527098	55.402	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.380	75	43697	43.954	ug/l		90
82) 4-Chlorotoluene	12.855	91	440774	52.948	ug/l		99
83) tert-Butylbenzene	13.075	119	463282	56.750	ug/l		97
84) 1,2,4-Trimethylbenzene	13.117	105	519223	56.076	ug/l		99
85) sec-Butylbenzene	13.251	105	654368	53.600	ug/l		100
86) p-Isopropyltoluene	13.367	119	546604	54.563	ug/l		99
87) 1,3-Dichlorobenzene	13.367	146	299041	54.617	ug/l		99
88) 1,4-Dichlorobenzene	13.446	146	298328	53.917	ug/l		99
89) n-Butylbenzene	13.696	91	486812	50.808	ug/l		98
90) Hexachloroethane	13.959	117	66328	31.754	ug/l		76
91) 1,2-Dichlorobenzene	13.739	146	269793	54.150	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20192	39.627	ug/l		99
93) 1,2,4-Trichlorobenzene	15.007	180	120731	40.771	ug/l		99
94) Hexachlorobutadiene	15.111	225	71652	40.863	ug/l		99
95) Naphthalene	15.233	128	248549	35.241	ug/l		99
96) 1,2,3-Trichlorobenzene	15.422	180	165828	61.468	ug/l		99

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

