

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015136.D
 Acq On : 16 Aug 2023 09:15
 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 :Romaben Patel 08/17/2023
 Supervised By :Mahesh Dadoda 08/17/2023

Quant Time: Aug 16 16:16:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	194654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	312224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	287520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	120566	51.598	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.200%			
35) Dibromofluoromethane	7.716	113	105282	52.414	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.820%			
50) Toluene-d8	10.179	98	386131	51.640	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.280%			
62) 4-Bromofluorobenzene	12.483	95	142848	52.305	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	41131	49.269	ug/l	99
3) Chloromethane	2.113	50	61933	53.547	ug/l	99
4) Vinyl Chloride	2.247	62	75320	48.627	ug/l	99
5) Bromomethane	2.644	94	56331	52.270	ug/l	99
6) Chloroethane	2.784	64	57315	50.966	ug/l	97
7) Trichlorofluoromethane	3.119	101	127242	48.753	ug/l	99
8) Diethyl Ether	3.528	74	49615	48.472	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	77423	47.731	ug/l	97
10) Methyl Iodide	4.088	142	78533	49.306	ug/l	97
11) Tert butyl alcohol	4.972	59	81096	208.087	ug/l #	81
12) 1,1-Dichloroethene	3.863	96	63426	46.827	ug/l	92
13) Acrolein	3.723	56	32132	206.046	ug/l	98
14) Allyl chloride	4.472	41	111032	46.235	ug/l	97
15) Acrylonitrile	5.155	53	175362	252.804	ug/l	99
16) Acetone	3.948	43	221719	290.458	ug/l	92
17) Carbon Disulfide	4.192	76	111849	46.922	ug/l	100
18) Methyl Acetate	4.479	43	140067	50.072	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	279478	48.527	ug/l	98
20) Methylene Chloride	4.710	84	87841	47.805	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	73531	48.128	ug/l	96
22) Diisopropyl ether	6.119	45	285888	47.710	ug/l	93
23) Vinyl Acetate	6.058	43	875770	244.934	ug/l #	95
24) 1,1-Dichloroethane	6.015	63	154129	47.510	ug/l	97
25) 2-Butanone	6.984	43	288331	266.772	ug/l	95
26) 2,2-Dichloropropane	6.978	77	142094	45.435	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	101291	48.533	ug/l	94
28) Bromochloromethane	7.332	49	68801	46.161	ug/l	90
29) Tetrahydrofuran	7.344	42	162321	251.168	ug/l	92
30) Chloroform	7.502	83	176416	48.509	ug/l	96
31) Cyclohexane	7.783	56	102288	48.956	ug/l	89
32) 1,1,1-Trichloroethane	7.698	97	152054	49.134	ug/l	99
36) 1,1-Dichloropropene	7.917	75	107830	48.524	ug/l	99
37) Ethyl Acetate	7.070	43	107406	51.853	ug/l	96
38) Carbon Tetrachloride	7.899	117	129006	49.053	ug/l	99
39) Methylcyclohexane	9.185	83	120794	48.489	ug/l	93
40) Benzene	8.161	78	331784	49.384	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	53476m	50.067	ug/l	
42) 1,2-Dichloroethane	8.234	62	122738	50.303	ug/l	96
43) Isopropyl Acetate	8.271	43	190216	50.427	ug/l	98
44) Trichloroethene	8.941	130	96949	50.088	ug/l	97
45) 1,2-Dichloropropane	9.216	63	92836	49.003	ug/l	95
46) Dibromomethane	9.307	93	61475	51.449	ug/l	96
47) Bromodichloromethane	9.496	83	144269	50.598	ug/l	96
48) Methyl methacrylate	9.295	41	82170	50.923	ug/l	93
49) 1,4-Dioxane	9.307	88	24001	1004.498	ug/l #	54
51) 4-Methyl-2-Pentanone	10.069	43	585047	267.617	ug/l	94
52) Toluene	10.246	92	221656	50.055	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	150239	50.138	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	156848	49.701	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	91568	50.400	ug/l	96
56) Ethyl methacrylate	10.508	69	136287	51.256	ug/l	93
57) 1,3-Dichloropropane	10.788	76	151445	51.021	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	305994	247.288	ug/l	92
59) 2-Hexanone	10.831	43	453471	280.271	ug/l	93
60) Dibromochloromethane	10.984	129	112967	52.125	ug/l	100
61) 1,2-Dibromoethane	11.087	107	88178	51.090	ug/l	99
64) Tetrachloroethene	10.721	164	102630	51.234	ug/l	97
65) Chlorobenzene	11.514	112	258495	49.344	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	106980	50.329	ug/l	99
67) Ethyl Benzene	11.593	91	451557	49.197	ug/l	100
68) m/p-Xylenes	11.703	106	344102	98.708	ug/l	96
69) o-Xylene	12.032	106	171992	49.526	ug/l	97
70) Styrene	12.044	104	302663	50.355	ug/l	97
71) Bromoform	12.209	173	79961	51.893	ug/l #	98
73) Isopropylbenzene	12.331	105	465471	48.250	ug/l	100
74) N-amyl acetate	12.142	43	177514	50.965	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	127350	50.686	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	102081m	56.006	ug/l	
77) Bromobenzene	12.605	156	115234	49.005	ug/l	97
78) n-propylbenzene	12.672	91	557446	48.661	ug/l	99
79) 2-Chlorotoluene	12.758	91	318662	48.220	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	393257	48.904	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	42059	50.685	ug/l	98
82) 4-Chlorotoluene	12.855	91	336235	49.248	ug/l	100
83) tert-Butylbenzene	13.075	119	355354	48.313	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	387928	48.277	ug/l	97
85) sec-Butylbenzene	13.251	105	524359	48.655	ug/l	100
86) p-Isopropyltoluene	13.367	119	434919	48.675	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	227653	48.810	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	227565	48.646	ug/l	99
89) n-Butylbenzene	13.696	91	409140	48.565	ug/l	97
90) Hexachloroethane	13.959	117	85452	48.208	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	212232	48.710	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	25382	52.150	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	137311	49.088	ug/l	98
94) Hexachlorobutadiene	15.111	225	72249	47.484	ug/l	99
95) Naphthalene	15.233	128	351564	50.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	127926	50.640	ug/l	99

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

