

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030823\
 Data File : VY012884.D
 Acq On : 08 Mar 2023 20:19
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 00:40:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	105118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	162901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	149810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	75967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	49158	47.100	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.200%		
35) Dibromofluoromethane	7.716	113	45788	46.575	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.140%		
50) Toluene-d8	10.179	98	160746	44.726	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.460%		
62) 4-Bromofluorobenzene	12.483	95	57995	47.808	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	48975	47.269	ug/l	98
3) Chloromethane	2.113	50	56789	45.848	ug/l	100
4) Vinyl Chloride	2.253	62	56522	49.763	ug/l	99
5) Bromomethane	2.650	94	35676	51.692	ug/l	93
6) Chloroethane	2.790	64	34817	51.183	ug/l	96
7) Trichlorofluoromethane	3.125	101	93635	49.635	ug/l	100
8) Diethyl Ether	3.528	74	34334	51.936	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	55877	49.232	ug/l	97
10) Methyl Iodide	4.088	142	72703	49.162	ug/l	98
11) Tert butyl alcohol	4.954	59	34309	288.989	ug/l	99
12) 1,1-Dichloroethene	3.869	96	54217	50.086	ug/l	98
13) Acrolein	3.729	56	40332	220.571	ug/l	99
14) Allyl chloride	4.485	41	101038	50.530	ug/l	100
15) Acrylonitrile	5.161	53	97864	280.954	ug/l	100
16) Acetone	3.948	43	98187	239.683	ug/l	98
17) Carbon Disulfide	4.192	76	173853	47.184	ug/l	100
18) Methyl Acetate	4.479	43	68385	56.056	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	154320	55.193	ug/l	99
20) Methylene Chloride	4.710	84	68063	54.983	ug/l	99
21) trans-1,2-Dichloroethene	5.216	96	59458	50.545	ug/l	94
22) Diisopropyl ether	6.119	45	192405	52.978	ug/l	97
23) Vinyl Acetate	6.058	43	618518	274.097	ug/l	99
24) 1,1-Dichloroethane	6.015	63	106338	51.384	ug/l	99
25) 2-Butanone	6.984	43	137523	271.039	ug/l	97
26) 2,2-Dichloropropane	6.984	77	90511	49.243	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	68084	53.984	ug/l	96
28) Bromochloromethane	7.332	49	40894	54.072	ug/l	96
29) Tetrahydrofuran	7.350	42	88762	290.055	ug/l	98
30) Chloroform	7.509	83	109325	53.482	ug/l	99
31) Cyclohexane	7.783	56	93342	46.698	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	95761	51.802	ug/l	98
36) 1,1-Dichloropropene	7.917	75	82725	50.213	ug/l	100
37) Ethyl Acetate	7.076	43	57956	55.814	ug/l	99
38) Carbon Tetrachloride	7.899	117	88692	52.133	ug/l	95
39) Methylcyclohexane	9.185	83	98184	50.129	ug/l	98
40) Benzene	8.161	78	241938	51.915	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	31399m	56.125	ug/l	
42) 1,2-Dichloroethane	8.234	62	74853	53.425	ug/l	99
43) Isopropyl Acetate	8.271	43	102150	55.139	ug/l	99
44) Trichloroethene	8.941	130	63821	51.942	ug/l	100
45) 1,2-Dichloropropane	9.216	63	61198	51.961	ug/l	97
46) Dibromomethane	9.307	93	36358	54.187	ug/l	97
47) Bromodichloromethane	9.496	83	84378	53.364	ug/l	99
48) Methyl methacrylate	9.289	41	49408	57.880	ug/l	99
49) 1,4-Dioxane	9.301	88	10410	1200.134	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	294786	293.345	ug/l	99
52) Toluene	10.246	92	149068	53.039	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	89627	54.041	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	99356	52.928	ug/l	100
55) 1,1,2-Trichloroethane	10.642	97	50982	54.559	ug/l	97
56) Ethyl methacrylate	10.508	69	72480	58.172	ug/l	98
57) 1,3-Dichloropropane	10.788	76	87878	55.215	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	186677	285.404	ug/l	100
59) 2-Hexanone	10.831	43	212212	290.561	ug/l	99
60) Dibromochloromethane	10.984	129	62215	54.696	ug/l	98
61) 1,2-Dibromoethane	11.087	107	49688	55.201	ug/l	98
64) Tetrachloroethene	10.721	164	55186	50.596	ug/l	98
65) Chlorobenzene	11.514	112	160084	50.915	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	59710	51.322	ug/l	98
67) Ethyl Benzene	11.593	91	285081	51.571	ug/l	100
68) m/p-Xylenes	11.703	106	219233	103.093	ug/l	98
69) o-Xylene	12.032	106	105526	53.170	ug/l	99
70) Styrene	12.044	104	177382	53.557	ug/l	99
71) Bromoform	12.209	173	41386	54.558	ug/l #	99
73) Isopropylbenzene	12.331	105	276130	51.289	ug/l	100
74) N-amyl acetate	12.142	43	91667	54.114	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	65053	53.752	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	50040m	55.161	ug/l	
77) Bromobenzene	12.605	156	66723	51.015	ug/l	99
78) n-propylbenzene	12.672	91	338375	50.978	ug/l	100
79) 2-Chlorotoluene	12.758	91	189014	51.236	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	230285	51.830	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	22747	51.956	ug/l	99
82) 4-Chlorotoluene	12.855	91	195012	51.066	ug/l	99
83) tert-Butylbenzene	13.075	119	201081	52.434	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	225670	51.942	ug/l	100
85) sec-Butylbenzene	13.251	105	297909	50.921	ug/l	99
86) p-Isopropyltoluene	13.367	119	244665	51.169	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	127478	50.536	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	128646	49.969	ug/l	99
89) n-Butylbenzene	13.696	91	233737	51.063	ug/l	99
90) Hexachloroethane	13.959	117	49919	50.126	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	118819	52.107	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11109	56.796	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	72570	51.689	ug/l	97
94) Hexachlorobutadiene	15.111	225	41466	48.424	ug/l	98
95) Naphthalene	15.233	128	166352	59.127	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	65572	52.514	ug/l	99

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

