

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021623\
 Data File : VY012626.D
 Acq On : 16 Feb 2023 09:36
 Operator : KP/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 :Krupa Patel 02/17/2023
 Supervised By :Mahesh Dadoda 02/17/2023

Quant Time: Feb 16 21:55:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	125173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	179302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	165409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	80632	50.657	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.320%			
35) Dibromofluoromethane	7.716	113	70523	54.008	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.020%			
50) Toluene-d8	10.179	98	287811	52.955	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.900%			
62) 4-Bromofluorobenzene	12.483	95	101744	53.669	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	40715	45.735	ug/l	99
3) Chloromethane	2.113	50	40618	41.648	ug/l	100
4) Vinyl Chloride	2.253	62	55519	45.692	ug/l	98
5) Bromomethane	2.649	94	45303	51.141	ug/l	99
6) Chloroethane	2.796	64	41641	49.236	ug/l	99
7) Trichlorofluoromethane	3.125	101	126885	50.805	ug/l	99
8) Diethyl Ether	3.533	74	37988	51.297	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	64457	51.109	ug/l	99
10) Methyl Iodide	4.088	142	81292	49.721	ug/l	100
11) Tert butyl alcohol	4.954	59	38144	248.129	ug/l	98
12) 1,1-Dichloroethene	3.875	96	61746	49.550	ug/l	96
13) Acrolein	3.729	56	34229	182.922	ug/l	97
14) Allyl chloride	4.484	41	72941	48.008	ug/l	97
15) Acrylonitrile	5.161	53	90835	265.865	ug/l	100
16) Acetone	3.942	43	109804	286.616	ug/l	99
17) Carbon Disulfide	4.192	76	137698	42.602	ug/l	99
18) Methyl Acetate	4.472	43	43765	47.528	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	197509	54.166	ug/l	99
20) Methylene Chloride	4.716	84	71279	49.786	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	68329	50.278	ug/l	98
22) Diisopropyl ether	6.118	45	163137	52.806	ug/l	96
23) Vinyl Acetate	6.057	43	511982	274.900	ug/l	98
24) 1,1-Dichloroethane	6.015	63	113751	51.505	ug/l	98
25) 2-Butanone	6.984	43	114536	269.460	ug/l	99
26) 2,2-Dichloropropane	6.984	77	129499	53.368	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	83205	52.758	ug/l	99
28) Bromochloromethane	7.332	49	45098	56.176	ug/l	96
29) Tetrahydrofuran	7.344	42	60327	262.527	ug/l	95
30) Chloroform	7.502	83	142569	53.542	ug/l	99
31) Cyclohexane	7.783	56	84288	45.800	ug/l	98
32) 1,1,1-Trichloroethane	7.697	97	139143	53.850	ug/l	99
36) 1,1-Dichloropropene	7.917	75	92175	52.157	ug/l	98
37) Ethyl Acetate	7.069	43	42772	53.637	ug/l	98
38) Carbon Tetrachloride	7.899	117	132189	55.722	ug/l	99
39) Methylcyclohexane	9.185	83	109842	51.653	ug/l	97
40) Benzene	8.161	78	276263	52.927	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	20407m	46.710	ug/l	
42) 1,2-Dichloroethane	8.234	62	93623	55.338	ug/l	99
43) Isopropyl Acetate	8.270	43	81620	55.204	ug/l	99
44) Trichloroethene	8.941	130	85162	53.597	ug/l	95
45) 1,2-Dichloropropane	9.215	63	60916	53.821	ug/l	98
46) Dibromomethane	9.307	93	41631	55.550	ug/l	99
47) Bromodichloromethane	9.496	83	109020	56.104	ug/l	99
48) Methyl methacrylate	9.288	41	37093	54.886	ug/l	96
49) 1,4-Dioxane	9.295	88	12887	1245.658	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	229085	287.179	ug/l	99
52) Toluene	10.246	92	195451	55.217	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	110586	56.477	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	116978	55.206	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	63249	57.759	ug/l	97
56) Ethyl methacrylate	10.508	69	81158	58.990	ug/l	97
57) 1,3-Dichloropropane	10.788	76	99992	56.578	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	173113	279.942	ug/l	97
59) 2-Hexanone	10.831	43	176068	292.065	ug/l	99
60) Dibromochloromethane	10.983	129	85301	58.437	ug/l	98
61) 1,2-Dibromoethane	11.087	107	57906	56.436	ug/l	99
64) Tetrachloroethene	10.721	164	86912	50.329	ug/l	98
65) Chlorobenzene	11.514	112	218927	55.803	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	89405	58.153	ug/l	98
67) Ethyl Benzene	11.593	91	385644	55.992	ug/l	99
68) m/p-Xylenes	11.703	106	310894	113.084	ug/l	98
69) o-Xylene	12.026	106	149789	57.211	ug/l	100
70) Styrene	12.044	104	256024	57.659	ug/l	100
71) Bromoform	12.209	173	58245	59.938	ug/l #	99
73) Isopropylbenzene	12.331	105	408677	54.028	ug/l	99
74) N-amyl acetate	12.142	43	74285	54.251	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	68650	56.128	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	57510m	55.057	ug/l	
77) Bromobenzene	12.611	156	99671	54.364	ug/l	97
78) n-propylbenzene	12.672	91	467759	53.726	ug/l	100
79) 2-Chlorotoluene	12.757	91	264380	53.492	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	354365	54.420	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	24529	52.955	ug/l	99
82) 4-Chlorotoluene	12.855	91	276911	53.410	ug/l	100
83) tert-Butylbenzene	13.074	119	317420	55.589	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	355327	55.458	ug/l	100
85) sec-Butylbenzene	13.251	105	447756	54.812	ug/l	99
86) p-Isopropyltoluene	13.367	119	398613	56.247	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	200866	55.064	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	199979	54.729	ug/l	100
89) n-Butylbenzene	13.696	91	338174	55.834	ug/l	99
90) Hexachloroethane	13.958	117	69224	53.217	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	180917	55.131	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13588	55.826	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	118545	58.301	ug/l	99
94) Hexachlorobutadiene	15.111	225	72374	57.296	ug/l	99
95) Naphthalene	15.239	128	233960	59.938	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	102078	57.997	ug/l	99

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

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