

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022123\
 Data File : VY012676.D
 Acq On : 21 Feb 2023 16:01
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023

Quant Time: Feb 22 01:06:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:01:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	122146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	190671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	165165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	28613	19.834	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.660%#		
35) Dibromofluoromethane	7.715	113	25790	20.026	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.060%#		
50) Toluene-d8	10.178	98	96146	19.927	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	39.860%#		
62) 4-Bromofluorobenzene	12.483	95	30095	19.492	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	38.980%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	25154	20.031	ug/l	97
3) Chloromethane	2.113	50	34912	21.189	ug/l	99
4) Vinyl Chloride	2.253	62	27836	20.061	ug/l	97
5) Bromomethane	2.643	94	14671	19.306	ug/l	94
6) Chloroethane	2.790	64	18458	20.897	ug/l	92
7) Trichlorofluoromethane	3.125	101	44826	20.042	ug/l	98
8) Diethyl Ether	3.527	74	16043	20.035	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	27428	20.520	ug/l	97
10) Methyl Iodide	4.088	142	34836	19.905	ug/l	98
11) Tert butyl alcohol	4.948	59	16379	103.793	ug/l	98
12) 1,1-Dichloroethene	3.875	96	26602	20.616	ug/l	99
13) Acrolein	3.722	56	21577	108.220	ug/l	100
14) Allyl chloride	4.478	41	50755	20.267	ug/l	99
15) Acrylonitrile	5.161	53	43748	102.689	ug/l	99
16) Acetone	3.948	43	45927	97.566	ug/l	98
17) Carbon Disulfide	4.192	76	89518	20.615	ug/l	100
18) Methyl Acetate	4.472	43	30281	19.969	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	70523	20.318	ug/l	99
20) Methylene Chloride	4.716	84	35000	20.258	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	28645	20.408	ug/l	99
22) Diisopropyl ether	6.112	45	97827	20.934	ug/l	92
23) Vinyl Acetate	6.057	43	300419	103.797	ug/l	99
24) 1,1-Dichloroethane	6.015	63	53346	20.586	ug/l	97
25) 2-Butanone	6.984	43	63004	100.844	ug/l	97
26) 2,2-Dichloropropane	6.978	77	45136	19.968	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	31165	20.293	ug/l	99
28) Bromochloromethane	7.331	49	21651	20.866	ug/l	98
29) Tetrahydrofuran	7.344	42	39691	104.058	ug/l	99
30) Chloroform	7.502	83	50992	20.309	ug/l	89
31) Cyclohexane	7.783	56	50525	20.159	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	45180	19.877	ug/l	98
36) 1,1-Dichloropropene	7.917	75	41276	20.220	ug/l	99
37) Ethyl Acetate	7.075	43	27883	20.243	ug/l	99
38) Carbon Tetrachloride	7.898	117	42052	19.923	ug/l	98
39) Methylcyclohexane	9.185	83	46714	19.838	ug/l	98
40) Benzene	8.161	78	115651	20.296	ug/l	95

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41) Methacrylonitrile	7.319	41	16153m	24.073	ug/l	
42) 1,2-Dichloroethane	8.234	62	35237	19.942	ug/l	99
43) Isopropyl Acetate	8.270	43	48852	20.524	ug/l	99
44) Trichloroethene	8.941	130	30601	20.771	ug/l	96
45) 1,2-Dichloropropane	9.215	63	30342	20.701	ug/l	99
46) Dibromomethane	9.307	93	16627	20.550	ug/l	98
47) Bromodichloromethane	9.496	83	38995	20.020	ug/l	98
48) Methyl methacrylate	9.294	41	22612	20.358	ug/l	96
49) 1,4-Dioxane	9.294	88	4318m	380.573	ug/l	
51) 4-Methyl-2-Pentanone	10.069	43	131543	102.449	ug/l	99
52) Toluene	10.246	92	67789	20.078	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	40703	19.997	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	45910	19.933	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	22162	20.166	ug/l	95
56) Ethyl methacrylate	10.508	69	30218	20.134	ug/l	99
57) 1,3-Dichloropropane	10.788	76	39270	20.331	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	80140	98.038	ug/l	99
59) 2-Hexanone	10.831	43	92727	101.871	ug/l	100
60) Dibromochloromethane	10.983	129	26281	19.739	ug/l	99
61) 1,2-Dibromoethane	11.087	107	21668	20.580	ug/l	99
64) Tetrachloroethene	10.721	164	24222	20.164	ug/l	97
65) Chlorobenzene	11.514	112	70854	20.005	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	26497	20.187	ug/l	98
67) Ethyl Benzene	11.593	91	126689	20.011	ug/l	98
68) m/p-Xylenes	11.703	106	98048	40.598	ug/l	100
69) o-Xylene	12.032	106	45368	20.282	ug/l	100
70) Styrene	12.044	104	76615	20.435	ug/l	99
71) Bromoform	12.209	173	16662	19.893	ug/l #	99
73) Isopropylbenzene	12.331	105	118950	20.004	ug/l	99
74) N-amyl acetate	12.142	43	39070	19.988	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.580	83	27193	20.339	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	20361m	20.994	ug/l	
77) Bromobenzene	12.605	156	28826	20.232	ug/l	97
78) n-propylbenzene	12.672	91	150260	20.202	ug/l	100
79) 2-Chlorotoluene	12.757	91	82360	19.932	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	99310	19.994	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	9564	20.198	ug/l	96
82) 4-Chlorotoluene	12.855	91	86059	20.081	ug/l	99
83) tert-Butylbenzene	13.074	119	84575	19.940	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	98938	20.376	ug/l	100
85) sec-Butylbenzene	13.251	105	129929	20.134	ug/l	100
86) p-Isopropyltoluene	13.367	119	108700	20.453	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	55583	19.917	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	56449	19.947	ug/l	99
89) n-Butylbenzene	13.696	91	101258	19.894	ug/l	99
90) Hexachloroethane	13.964	117	21346	19.791	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	49696	19.940	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4399	20.016	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	30527	19.367	ug/l	98
94) Hexachlorobutadiene	15.111	225	18881	19.847	ug/l	97
95) Naphthalene	15.239	128	61752	19.388	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	27892	19.991	ug/l	98

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

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