

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016726.D
 Acq On : 20 Dec 2023 15:47
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/21/2023
 Supervised By :Semsettin Yesilyurt 12/21/2023

Quant Time: Dec 21 00:51:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 00:33:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	170110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	291532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	247782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	109013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	34117	21.970	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	43.940%#		
35) Dibromofluoromethane	7.728	113	36275	21.722	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	43.440%#		
50) Toluene-d8	10.185	98	129052	21.437	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	42.880%#		
62) 4-Bromofluorobenzene	12.489	95	42284	21.650	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	43.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	32675	22.476	ug/l	95
3) Chloromethane	2.119	50	47734	21.361	ug/l	96
4) Vinyl Chloride	2.259	62	52916	20.965	ug/l	100
5) Bromomethane	2.656	94	37770	21.010	ug/l	95
6) Chloroethane	2.802	64	36499	21.341	ug/l	97
7) Trichlorofluoromethane	3.131	101	64238	21.847	ug/l	100
8) Diethyl Ether	3.540	74	20292	21.574	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.912	101	39231	21.751	ug/l	98
10) Methyl Iodide	4.107	142	40999	21.814	ug/l	98
11) Tert butyl alcohol	4.978	59	14915	117.271	ug/l	98
12) 1,1-Dichloroethene	3.887	96	34417	21.431	ug/l	99
13) Acrolein	3.747	56	12156	100.559	ug/l	100
14) Allyl chloride	4.497	41	52973	21.536	ug/l	99
15) Acrylonitrile	5.173	53	45211	113.502	ug/l	99
16) Acetone	3.960	43	53139	126.543	ug/l	98
17) Carbon Disulfide	4.210	76	91408	20.919	ug/l	99
18) Methyl Acetate	4.491	43	34726	21.161	ug/l	98
19) Methyl tert-butyl Ether	5.241	73	92164	22.304	ug/l	100
20) Methylene Chloride	4.728	84	50419	21.430	ug/l	96
21) trans-1,2-Dichloroethene	5.234	96	39533	21.584	ug/l	97
22) Diisopropyl ether	6.131	45	125010	22.464	ug/l	95
23) Vinyl Acetate	6.076	43	301928	114.717	ug/l	100
24) 1,1-Dichloroethane	6.027	63	73283	21.922	ug/l	98
25) 2-Butanone	6.996	43	71822	124.224	ug/l	96
26) 2,2-Dichloropropane	6.990	77	61874	21.210	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	46051	21.847	ug/l	98
28) Bromochloromethane	7.344	49	28148	21.274	ug/l	99
29) Tetrahydrofuran	7.362	42	36116	114.241	ug/l	99
30) Chloroform	7.515	83	75657	22.108	ug/l	100
31) Cyclohexane	7.795	56	62915	21.146	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	64288	21.401	ug/l	99
36) 1,1-Dichloropropene	7.923	75	56165	20.979	ug/l	99
37) Ethyl Acetate	7.088	43	26042	22.225	ug/l	97
38) Carbon Tetrachloride	7.911	117	56146	21.193	ug/l	98
39) Methylcyclohexane	9.191	83	64162	20.757	ug/l	99
40) Benzene	8.167	78	166577	21.381	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	13492	22.145	ug/l	94
42) 1,2-Dichloroethane	8.246	62	44726	22.005	ug/l	99
43) Isopropyl Acetate	8.277	43	50017	22.442	ug/l	99
44) Trichloroethene	8.947	130	42452	21.349	ug/l	97
45) 1,2-Dichloropropane	9.222	63	42354	21.672	ug/l	98
46) Dibromomethane	9.313	93	22000	21.791	ug/l	98
47) Bromodichloromethane	9.502	83	57378	21.563	ug/l	97
48) Methyl methacrylate	9.301	41	27649	22.118	ug/l	99
49) 1,4-Dioxane	9.313	88	4277	436.472	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	133905	112.763	ug/l	100
52) Toluene	10.252	92	99950	21.408	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	52664	21.705	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	62491	21.352	ug/l	98
55) 1,1,2-Trichloroethane	10.654	97	31348	21.763	ug/l	98
56) Ethyl methacrylate	10.514	69	27000	21.316	ug/l	98
57) 1,3-Dichloropropane	10.794	76	53611	21.912	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	70544	82.087	ug/l	100
59) 2-Hexanone	10.837	43	106715	120.519	ug/l	99
60) Dibromochloromethane	10.990	129	35985	21.595	ug/l	99
61) 1,2-Dibromoethane	11.093	107	28192	21.824	ug/l	99
64) Tetrachloroethene	10.727	164	32947	21.405	ug/l	95
65) Chlorobenzene	11.526	112	104542	21.474	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	39468	21.548	ug/l	97
67) Ethyl Benzene	11.599	91	188570	21.045	ug/l	99
68) m/p-Xylenes	11.709	106	142424	43.044	ug/l	100
69) o-Xylene	12.038	106	65473	21.569	ug/l	100
70) Styrene	12.050	104	96788	21.548	ug/l	99
71) Bromoform	12.215	173	19426	21.273	ug/l #	97
73) Isopropylbenzene	12.337	105	178902	21.072	ug/l	99
74) N-amyl acetate	12.148	43	38989	21.820	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	36774	21.675	ug/l	97
76) 1,2,3-Trichloropropane	12.642	75	26802m	22.206	ug/l	
77) Bromobenzene	12.617	156	38048	20.542	ug/l	96
78) n-propylbenzene	12.678	91	218540	21.245	ug/l	100
79) 2-Chlorotoluene	12.764	91	119530	21.000	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	143113	21.295	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	10891	21.224	ug/l	96
82) 4-Chlorotoluene	12.861	91	122593	20.994	ug/l	100
83) tert-Butylbenzene	13.081	119	121823	20.839	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	141480	21.349	ug/l	98
85) sec-Butylbenzene	13.263	105	185486	21.422	ug/l	100
86) p-Isopropyltoluene	13.379	119	154794	21.467	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	75516	20.863	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	74498	21.078	ug/l	97
89) n-Butylbenzene	13.702	91	148856	21.595	ug/l	100
90) Hexachloroethane	13.971	117	31224	20.795	ug/l	99
91) 1,2-Dichlorobenzene	13.751	146	64587	20.945	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4895	22.257	ug/l	95
93) 1,2,4-Trichlorobenzene	15.019	180	34842	21.294	ug/l	99
94) Hexachlorobutadiene	15.123	225	20578	22.143	ug/l	98
95) Naphthalene	15.245	128	65232	20.783	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	30118	21.613	ug/l	99

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

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