

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110823\
 Data File : VY016255.D
 Acq On : 08 Nov 2023 09:49
 Operator : SY/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 : Semsettin Yesilyurt 11/09/2023
 Supervised By : Mahesh Dadoda 11/09/2023

Quant Time: Nov 09 00:28:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:22:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	180079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	288574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	248211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	113211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	31355	19.051	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.100%#		
35) Dibromofluoromethane	7.734	113	32389	19.758	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.520%#		
50) Toluene-d8	10.191	98	132920	19.995	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.000%#		
62) 4-Bromofluorobenzene	12.495	95	42223	19.556	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	39.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36996	20.981	ug/l	99
3) Chloromethane	2.119	50	42909	20.778	ug/l	98
4) Vinyl Chloride	2.253	62	44545	20.060	ug/l	100
5) Bromomethane	2.656	94	28295	19.389	ug/l	99
6) Chloroethane	2.802	64	28837	20.352	ug/l	97
7) Trichlorofluoromethane	3.137	101	65830	20.376	ug/l	98
8) Diethyl Ether	3.540	74	19076	19.756	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.906	101	39739	20.423	ug/l	94
10) Methyl Iodide	4.101	142	41101	19.558	ug/l	96
11) Tert butyl alcohol	4.972	59	11793	91.502	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	37334	20.516	ug/l	89
13) Acrolein	3.741	56	14925	96.008	ug/l	99
14) Allyl chloride	4.491	41	51613	19.987	ug/l #	93
15) Acrylonitrile	5.174	53	35226	91.930	ug/l	98
16) Acetone	3.954	43	24593	90.334	ug/l #	87
17) Carbon Disulfide	4.210	76	111867	20.374	ug/l	97
18) Methyl Acetate	4.491	43	27055	18.702	ug/l #	90
19) Methyl tert-butyl Ether	5.235	73	85076	19.316	ug/l	99
20) Methylene Chloride	4.729	84	42526	20.025	ug/l	90
21) trans-1,2-Dichloroethene	5.235	96	42457	20.264	ug/l	94
22) Diisopropyl ether	6.131	45	110579	19.869	ug/l	89
23) Vinyl Acetate	6.076	43	258027	95.684	ug/l #	93
24) 1,1-Dichloroethane	6.033	63	68948	20.082	ug/l	98
25) 2-Butanone	6.996	43	44800	93.950	ug/l	94
26) 2,2-Dichloropropane	6.996	77	63339	20.270	ug/l	97
27) cis-1,2-Dichloroethene	7.003	96	45111	19.978	ug/l	92
28) Bromochloromethane	7.350	49	25667	20.199	ug/l	93
29) Tetrahydrofuran	7.362	42	29408	93.305	ug/l	90
30) Chloroform	7.521	83	70725	19.790	ug/l	96
31) Cyclohexane	7.801	56	65983	20.363	ug/l	86
32) 1,1,1-Trichloroethane	7.716	97	66089	20.174	ug/l	98
36) 1,1-Dichloropropene	7.935	75	58759	20.643	ug/l	100
37) Ethyl Acetate	7.088	43	21943	19.079	ug/l #	95
38) Carbon Tetrachloride	7.917	117	60456	20.464	ug/l	96
39) Methylcyclohexane	9.197	83	72155	20.343	ug/l	92
40) Benzene	8.173	78	162441	20.312	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	10236	17.651	ug/l	93
42) 1,2-Dichloroethane	8.252	62	40479	19.535	ug/l	92
43) Isopropyl Acetate	8.283	43	42125	18.948	ug/l #	90
44) Trichloroethene	8.953	130	46432	20.202	ug/l	97
45) 1,2-Dichloropropane	9.228	63	38394	19.990	ug/l	94
46) Dibromomethane	9.319	93	20391	19.592	ug/l	95
47) Bromodichloromethane	9.508	83	53339	19.934	ug/l	99
48) Methyl methacrylate	9.307	41	23921	19.469	ug/l	88
49) 1,4-Dioxane	9.307	88	3849	348.343	ug/l #	47
51) 4-Methyl-2-Pentanone	10.081	43	108946	96.910	ug/l	92
52) Toluene	10.258	92	101330	20.044	ug/l	97
53) t-1,3-Dichloropropene	10.478	75	50412	19.435	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	61274	19.778	ug/l	94
55) 1,1,2-Trichloroethane	10.654	97	27822	19.395	ug/l	99
56) Ethyl methacrylate	10.520	69	25769	19.030	ug/l #	87
57) 1,3-Dichloropropane	10.801	76	47107	19.265	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	85383	92.990	ug/l	93
59) 2-Hexanone	10.843	43	85377	102.101	ug/l	90
60) Dibromochloromethane	10.996	129	34838	19.418	ug/l	100
61) 1,2-Dibromoethane	11.099	107	26447	19.351	ug/l	99
64) Tetrachloroethene	10.734	164	45846	20.571	ug/l	98
65) Chlorobenzene	11.526	112	107140	20.203	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	39097	19.989	ug/l	98
67) Ethyl Benzene	11.605	91	193484	20.302	ug/l	98
68) m/p-Xylenes	11.715	106	148067	40.961	ug/l	95
69) o-Xylene	12.044	106	68374	20.372	ug/l	96
70) Styrene	12.057	104	97539	20.296	ug/l	98
71) Bromoform	12.221	173	19093	18.812	ug/l #	100
73) Isopropylbenzene	12.343	105	187718	20.476	ug/l	100
74) N-amyl acetate	12.154	43	35422	19.236	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.593	83	28374	19.288	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	20646m	17.819	ug/l	
77) Bromobenzene	12.623	156	41122	19.847	ug/l	94
78) n-propylbenzene	12.684	91	222815	20.566	ug/l	99
79) 2-Chlorotoluene	12.770	91	119788	20.063	ug/l	98
80) 1,3,5-Trimethylbenzene	12.825	105	151295	20.469	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	9849	19.685	ug/l	89
82) 4-Chlorotoluene	12.867	91	125196	20.292	ug/l	99
83) tert-Butylbenzene	13.087	119	132666	20.378	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	147399	20.253	ug/l	98
85) sec-Butylbenzene	13.264	105	191832	20.625	ug/l	100
86) p-Isopropyltoluene	13.379	119	162448	20.284	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	80634	20.228	ug/l	99
88) 1,4-Dichlorobenzene	13.459	146	78421	20.130	ug/l	99
89) n-Butylbenzene	13.709	91	151951	20.544	ug/l	97
90) Hexachloroethane	13.971	117	31370	20.305	ug/l	88
91) 1,2-Dichlorobenzene	13.751	146	67797	19.848	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	4118	17.595	ug/l	89
93) 1,2,4-Trichlorobenzene	15.019	180	38461	19.290	ug/l	97
94) Hexachlorobutadiene	15.123	225	23487	20.562	ug/l	99
95) Naphthalene	15.245	128	65737	18.434	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	31956	19.377	ug/l	98

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

