

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
 Data File : VY020686.D
 Acq On : 23 Dec 2024 12:16
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Dec 23 13:46:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 13:45:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/24/2024
 Supervised By :Mahesh Dadoda 12/26/2024

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	103299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	146320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	121625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	61580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	14842	16.223	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	32.440%#		
35) Dibromofluoromethane	7.652	113	14605	16.999	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	34.000%#		
50) Toluene-d8	10.115	98	47674	15.278	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	30.560%#		
62) 4-Bromofluorobenzene	12.414	95	19827	17.457	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	34.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	16059	20.179	ug/l	96
3) Chloromethane	2.080	50	6255	19.293	ug/l	99
4) Vinyl Chloride	2.214	62	7606	19.242	ug/l	91
5) Bromomethane	2.605	94	5068	18.157	ug/l	92
6) Chloroethane	2.751	64	4676	19.463	ug/l	96
7) Trichlorofluoromethane	3.074	101	27711	19.494	ug/l	93
8) Diethyl Ether	3.464	74	6435	18.913	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.842	101	15658	20.172	ug/l	95
10) Methyl Iodide	4.025	142	17327	19.377	ug/l	90
11) Tert butyl alcohol	4.872	59	7042	96.153	ug/l #	75
12) 1,1-Dichloroethene	3.812	96	13008	18.882	ug/l	94
13) Acrolein	3.671	56	2407	136.768	ug/l	99
14) Allyl chloride	4.409	41	16079	19.903	ug/l #	77
15) Acrylonitrile	5.074	53	12017	95.818	ug/l	98
16) Acetone	3.891	43	9729	93.103	ug/l	94
17) Carbon Disulfide	4.129	76	31760	18.491	ug/l	100
18) Methyl Acetate	4.403	43	5057	18.705	ug/l #	80
19) Methyl tert-butyl Ether	5.135	73	37356	19.935	ug/l #	88
20) Methylene Chloride	4.641	84	13114	18.833	ug/l	88
21) trans-1,2-Dichloroethene	5.141	96	14461	19.467	ug/l	85
22) Diisopropyl ether	6.037	45	32675	19.784	ug/l #	81
23) Vinyl Acetate	5.976	43	96326	98.495	ug/l #	88
24) 1,1-Dichloroethane	5.939	63	24684	20.049	ug/l	98
25) 2-Butanone	6.921	43	13772	93.819	ug/l #	87
26) 2,2-Dichloropropane	6.896	77	29975	19.460	ug/l	99
27) cis-1,2-Dichloroethene	6.909	96	17272	19.522	ug/l	93
28) Bromochloromethane	7.262	49	5831	18.304	ug/l #	60
29) Tetrahydrofuran	7.274	42	8223	95.307	ug/l #	71
30) Chloroform	7.439	83	31119	19.229	ug/l	99
31) Cyclohexane	7.720	56	20675	19.152	ug/l #	75
32) 1,1,1-Trichloroethane	7.634	97	33427	19.771	ug/l	97
36) 1,1-Dichloropropene	7.848	75	20597	19.723	ug/l	96
37) Ethyl Acetate	7.000	43	6954	20.375	ug/l #	95
38) Carbon Tetrachloride	7.829	117	32873	19.452	ug/l	99
39) Methylcyclohexane	9.116	83	25219	18.999	ug/l	92
40) Benzene	8.091	78	59071	19.607	ug/l	96

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41) Methacrylonitrile	7.250	41	4200m	21.744	ug/l	
42) 1,2-Dichloroethane	8.177	62	18941	19.768	ug/l	96
43) Isopropyl Acetate	8.207	43	13839	19.509	ug/l #	84
44) Trichloroethene	8.878	130	17982	20.111	ug/l	89
45) 1,2-Dichloropropane	9.152	63	12024	20.313	ug/l	100
46) Dibromomethane	9.244	93	8071	19.751	ug/l	93
47) Bromodichloromethane	9.433	83	22921	19.773	ug/l	98
48) Methyl methacrylate	9.231	41	6476	19.258	ug/l #	81
49) 1,4-Dioxane	9.244	88	1500	357.918	ug/l	91
51) 4-Methyl-2-Pentanone	10.006	43	33865	95.570	ug/l	93
52) Toluene	10.176	92	40575	19.777	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	20438	19.925	ug/l	97
54) cis-1,3-Dichloropropene	9.865	75	22589	19.986	ug/l	96
55) 1,1,2-Trichloroethane	10.579	97	10314	19.493	ug/l	93
56) Ethyl methacrylate	10.445	69	12869	19.067	ug/l	90
57) 1,3-Dichloropropane	10.725	76	17032	19.692	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	23853	94.571	ug/l #	80
59) 2-Hexanone	10.768	43	21478	95.158	ug/l	94
60) Dibromochloromethane	10.920	129	16794	19.880	ug/l	100
61) 1,2-Dibromoethane	11.024	107	9810	19.777	ug/l	98
64) Tetrachloroethene	10.652	164	16119	19.955	ug/l	96
65) Chlorobenzene	11.451	112	44944	19.775	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.524	131	17535	19.757	ug/l	95
67) Ethyl Benzene	11.524	91	81152	19.902	ug/l	100
68) m/p-Xylenes	11.640	106	62622	40.273	ug/l	100
69) o-Xylene	11.963	106	29146	19.954	ug/l	99
70) Styrene	11.975	104	49613	20.194	ug/l	99
71) Bromoform	12.139	173	10096	19.860	ug/l #	97
73) Isopropylbenzene	12.261	105	83068	19.832	ug/l	98
74) N-amyl acetate	12.078	43	11066	18.802	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.511	83	10583	19.634	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	8402m	20.817	ug/l	
77) Bromobenzene	12.536	156	18528	19.425	ug/l	84
78) n-propylbenzene	12.603	91	93262	19.749	ug/l	95
79) 2-Chlorotoluene	12.688	91	53431	19.875	ug/l	97
80) 1,3,5-Trimethylbenzene	12.743	105	69321	19.953	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	3826	19.584	ug/l	95
82) 4-Chlorotoluene	12.786	91	54974	20.050	ug/l	96
83) tert-Butylbenzene	13.005	119	64233	19.870	ug/l	98
84) 1,2,4-Trimethylbenzene	13.054	105	68281	20.119	ug/l	100
85) sec-Butylbenzene	13.182	105	87518	20.107	ug/l	95
86) p-Isopropyltoluene	13.298	119	76618	20.134	ug/l	98
87) 1,3-Dichlorobenzene	13.298	146	36344	19.614	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	36284	19.987	ug/l	98
89) n-Butylbenzene	13.627	91	64084	19.990	ug/l	96
90) Hexachloroethane	13.889	117	13822	19.146	ug/l	84
91) 1,2-Dichlorobenzene	13.664	146	31668	19.915	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1946	18.947	ug/l	96
93) 1,2,4-Trichlorobenzene	14.932	180	17553	18.593	ug/l	99
94) Hexachlorobutadiene	15.035	225	13808	19.644	ug/l	99
95) Naphthalene	15.151	128	27861	18.322	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	14958	18.952	ug/l	98

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

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