

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011918.D
 Acq On : 20 Dec 2022 13:04
 Operator : KP/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY122022

Quant Time: Dec 20 14:02:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 12/21/2022
 Supervised By :Mahesh Dadoda 12/21/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	251929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	383665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	340896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	166976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	128230	50.521	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.040%			
35) Dibromofluoromethane	7.716	113	120676	52.246	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.500%			
50) Toluene-d8	10.179	98	486182	51.880	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.760%			
62) 4-Bromofluorobenzene	12.483	95	162388	51.523	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	109312	54.185	ug/l	98
3) Chloromethane	2.113	50	118638	52.911	ug/l	98
4) Vinyl Chloride	2.253	62	131385	53.134	ug/l	100
5) Bromomethane	2.650	94	93893	53.373	ug/l	93
6) Chloroethane	2.796	64	82714	51.176	ug/l	98
7) Trichlorofluoromethane	3.125	101	227258	52.502	ug/l	100
8) Diethyl Ether	3.528	74	70272	52.615	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	124776	52.364	ug/l	98
10) Methyl Iodide	4.094	142	162832	49.390	ug/l	99
11) Tert butyl alcohol	4.942	59	62581	251.871	ug/l	98
12) 1,1-Dichloroethene	3.875	96	125322	52.578	ug/l	98
13) Acrolein	3.729	56	55231	232.785	ug/l	99
14) Allyl chloride	4.479	41	185020	52.712	ug/l	97
15) Acrylonitrile	5.161	53	162777	262.003	ug/l	99
16) Acetone	3.942	43	197126	259.940	ug/l	96
17) Carbon Disulfide	4.198	76	398777	52.449	ug/l	100
18) Methyl Acetate	4.479	43	88852	50.662	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	327414	53.537	ug/l	96
20) Methylene Chloride	4.716	84	144061	49.238	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	140434	51.853	ug/l	97
22) Diisopropyl ether	6.119	45	361337	52.269	ug/l	96
23) Vinyl Acetate	6.058	43	1087501	273.423	ug/l	98
24) 1,1-Dichloroethane	6.021	63	228693	50.893	ug/l	98
25) 2-Butanone	6.984	43	226755	268.200	ug/l	99
26) 2,2-Dichloropropane	6.984	77	218986	49.802	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	150569	51.403	ug/l	99
28) Bromochloromethane	7.338	49	62417	50.618	ug/l	95
29) Tetrahydrofuran	7.344	42	131245	273.984	ug/l	97
30) Chloroform	7.509	83	241119	49.783	ug/l	98
31) Cyclohexane	7.783	56	215859	50.519	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	233881	50.769	ug/l	99
36) 1,1-Dichloropropene	7.917	75	191917	51.800	ug/l	98
37) Ethyl Acetate	7.076	43	89117	53.613	ug/l	98
38) Carbon Tetrachloride	7.899	117	219085	51.201	ug/l	96
39) Methylcyclohexane	9.185	83	239671	53.761	ug/l	98
40) Benzene	8.161	78	536629	50.612	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	46679m	58.073	ug/l	
42) 1,2-Dichloroethane	8.240	62	155236	50.859	ug/l	99
43) Isopropyl Acetate	8.271	43	163546	53.872	ug/l	98
44) Trichloroethene	8.941	130	149296	49.956	ug/l	98
45) 1,2-Dichloropropane	9.216	63	124969	51.012	ug/l	99
46) Dibromomethane	9.307	93	72060	51.066	ug/l	100
47) Bromodichloromethane	9.496	83	181441	50.682	ug/l	99
48) Methyl methacrylate	9.295	41	78585	55.908	ug/l	97
49) 1,4-Dioxane	9.295	88	19058	1131.185	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	439798	271.688	ug/l	98
52) Toluene	10.246	92	348388	51.573	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	187444	51.817	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	211971	52.131	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	100234	50.055	ug/l	98
56) Ethyl methacrylate	10.508	69	139761	55.125	ug/l	98
57) 1,3-Dichloropropane	10.788	76	170815	51.116	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	243532	248.927	ug/l	97
59) 2-Hexanone	10.831	43	334548	280.923	ug/l	99
60) Dibromochloromethane	10.983	129	130783	51.845	ug/l	99
61) 1,2-Dibromoethane	11.087	107	97118	51.839	ug/l	99
64) Tetrachloroethene	10.721	164	151050	50.622	ug/l	98
65) Chlorobenzene	11.520	112	363386	51.339	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	133700	50.768	ug/l	99
67) Ethyl Benzene	11.593	91	670040	52.369	ug/l	99
68) m/p-Xylenes	11.703	106	521019	104.709	ug/l	100
69) o-Xylene	12.032	106	245087	52.937	ug/l	100
70) Styrene	12.044	104	410910	52.859	ug/l	99
71) Bromoform	12.209	173	82054	52.582	ug/l #	100
73) Isopropylbenzene	12.331	105	665156	53.682	ug/l	99
74) N-amyl acetate	12.142	43	142524	56.106	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	110246	53.335	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	71602m	34.461	ug/l	
77) Bromobenzene	12.611	156	148860	51.929	ug/l	98
78) n-propylbenzene	12.672	91	791443	53.139	ug/l	99
79) 2-Chlorotoluene	12.758	91	438248	52.347	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	564328	53.196	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	40561	53.460	ug/l	98
82) 4-Chlorotoluene	12.855	91	449214	51.859	ug/l	99
83) tert-Butylbenzene	13.075	119	484820	53.925	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	554647	53.145	ug/l	99
85) sec-Butylbenzene	13.251	105	720615	53.676	ug/l	99
86) p-Isopropyltoluene	13.367	119	609602	53.814	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	297753	51.649	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	291904	50.933	ug/l	99
89) n-Butylbenzene	13.696	91	556922	54.308	ug/l	99
90) Hexachloroethane	13.959	117	113909	52.700	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	260675	51.866	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	19303	54.339	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	164097	55.504	ug/l	100
94) Hexachlorobutadiene	15.111	225	100830	52.780	ug/l	99
95) Naphthalene	15.239	128	321435	52.144	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	141238	56.503	ug/l	99

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

