

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082422\
 Data File : VY010190.D
 Acq On : 24 Aug 2022 11:45
 Operator : KP/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/26/2022
 Supervised By :Mahesh Dadoda 08/26/2022

Quant Time: Aug 25 01:51:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 25 01:46:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	188579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	288079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	275825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	149323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84595	51.940	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.880%			
35) Dibromofluoromethane	7.710	113	93486	56.084	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.160%			
50) Toluene-d8	10.179	98	310762	53.894	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 107.780%			
62) 4-Bromofluorobenzene	12.477	95	128330	57.840	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 115.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	61878	43.187	ug/l	98
3) Chloromethane	2.107	50	79024	55.719	ug/l	98
4) Vinyl Chloride	2.241	62	89510	57.739	ug/l	99
5) Bromomethane	2.644	94	68352	55.025	ug/l	98
6) Chloroethane	2.784	64	60232	54.645	ug/l	97
7) Trichlorofluoromethane	3.113	101	150052	86.732	ug/l	93
8) Diethyl Ether	3.521	74	58311	57.101	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.887	101	96907	55.313	ug/l	94
10) Methyl Iodide	4.082	142	124878	64.509	ug/l	89
11) Tert butyl alcohol	4.948	59	48247	223.001	ug/l #	92
12) 1,1-Dichloroethene	3.863	96	91572	58.373	ug/l	88
13) Acrolein	3.717	56	14876	209.201	ug/l	92
14) Allyl chloride	4.466	41	161763	58.559	ug/l	88
15) Acrylonitrile	5.155	53	159551	290.360	ug/l	98
16) Acetone	3.942	43	118589	262.190	ug/l #	89
17) Carbon Disulfide	4.180	76	258429	64.443	ug/l	100
18) Methyl Acetate	4.466	43	77637	50.084	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	271957	58.728	ug/l	99
20) Methylene Chloride	4.704	84	119206	40.184	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	108973	59.940	ug/l	84
22) Diisopropyl ether	6.112	45	362239	58.795	ug/l	92
23) Vinyl Acetate	6.051	43	1140967	314.425	ug/l	96
24) 1,1-Dichloroethane	6.009	63	198735	56.763	ug/l	98
25) 2-Butanone	6.978	43	201731	267.999	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	168855	52.514	ug/l	93
27) cis-1,2-Dichloroethene	6.978	96	128446	58.653	ug/l	87
28) Bromochloromethane	7.326	49	67994	57.937	ug/l	88
29) Tetrahydrofuran	7.344	42	136775	298.645	ug/l	93
30) Chloroform	7.502	83	204805	56.440	ug/l	99
31) Cyclohexane	7.777	56	166717	58.026	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	175434	57.555	ug/l	96
36) 1,1-Dichloropropene	7.911	75	151726	61.043	ug/l	97
37) Ethyl Acetate	7.070	43	93946	59.554	ug/l	96
38) Carbon Tetrachloride	7.893	117	157909	60.078	ug/l	96
39) Methylcyclohexane	9.179	83	177890	64.205	ug/l	91
40) Benzene	8.155	78	454202	59.826	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	47770m	38.263	ug/l	
42) 1,2-Dichloroethane	8.234	62	125728	59.687	ug/l	91
43) Isopropyl Acetate	8.271	43	166202	60.331	ug/l #	92
44) Trichloroethene	8.935	130	123668	59.021	ug/l	99
45) 1,2-Dichloropropane	9.209	63	118218	59.319	ug/l	96
46) Dibromomethane	9.301	93	66196	60.228	ug/l	98
47) Bromodichloromethane	9.490	83	159083	58.833	ug/l	98
48) Methyl methacrylate	9.289	41	73122	61.583	ug/l #	83
49) 1,4-Dioxane	9.289	88	15674	1226.196	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	459787	304.771	ug/l	92
52) Toluene	10.240	92	293731	61.672	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	164181	61.133	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	188590	60.643	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	96577	58.012	ug/l	99
56) Ethyl methacrylate	10.508	69	129959	63.591	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	163268	60.372	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	202045	247.113	ug/l	97
59) 2-Hexanone	10.831	43	315682	309.106	ug/l	88
60) Dibromochloromethane	10.984	129	116317	59.206	ug/l	99
61) 1,2-Dibromoethane	11.087	107	91538	59.656	ug/l	99
64) Tetrachloroethene	10.715	164	120660	59.426	ug/l	98
65) Chlorobenzene	11.514	112	317464	59.142	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	120964	59.186	ug/l	98
67) Ethyl Benzene	11.593	91	567330	61.288	ug/l	98
68) m/p-Xylenes	11.703	106	442320	124.399	ug/l	94
69) o-Xylene	12.026	106	211412	62.342	ug/l	92
70) Styrene	12.044	104	363394	62.582	ug/l	96
71) Bromoform	12.203	173	75551	58.692	ug/l #	100
73) Isopropylbenzene	12.325	105	556999	60.328	ug/l	100
74) N-amyl acetate	12.142	43	151264	60.063	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	113103	56.119	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	82448m	36.401	ug/l	
77) Bromobenzene	12.605	156	133415	58.745	ug/l	96
78) n-propylbenzene	12.672	91	691335	60.229	ug/l	99
79) 2-Chlorotoluene	12.758	91	382784	59.293	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	474101	60.481	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	40798	59.209	ug/l #	83
82) 4-Chlorotoluene	12.855	91	398511	59.082	ug/l	98
83) tert-Butylbenzene	13.075	119	409655	60.765	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	473271	61.013	ug/l	99
85) sec-Butylbenzene	13.251	105	621520	60.542	ug/l	100
86) p-Isopropyltoluene	13.367	119	517172	61.720	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	267935	57.986	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	265396	57.014	ug/l	98
89) n-Butylbenzene	13.696	91	482409	60.021	ug/l	99
90) Hexachloroethane	13.959	117	100759	57.244	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	240559	58.237	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17531	62.867	ug/l	72
93) 1,2,4-Trichlorobenzene	15.001	180	72495	37.125	ug/l	100
94) Hexachlorobutadiene	15.111	225	43598	37.013	ug/l	98
95) Naphthalene	15.233	128	146634	38.141	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	67557	39.009	ug/l	100

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

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