

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010272.D
 Acq On : 02 Sep 2022 11:33
 Operator : KP/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/06/2022
 Supervised By :Mahesh Dadoda 09/06/2022

Quant Time: Sep 02 16:24:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:23:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	400568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	648447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	571872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	274575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	208962	50.879	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.760%	
35) Dibromofluoromethane	7.710	113	199100	46.122	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.240%	
50) Toluene-d8	10.179	98	782263	54.125	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.260%	
62) 4-Bromofluorobenzene	12.483	95	275653	41.125	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.260%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	143101	44.751	ug/l	100
3) Chloromethane	2.113	50	201756	46.210	ug/l	97
4) Vinyl Chloride	2.247	62	230822	48.523	ug/l	98
5) Bromomethane	2.644	94	143264	47.444	ug/l	98
6) Chloroethane	2.790	64	143159	49.198	ug/l	98
7) Trichlorofluoromethane	3.119	101	326394	48.950	ug/l	95
8) Diethyl Ether	3.521	74	114874	48.213	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	199919	48.546	ug/l	94
10) Methyl Iodide	4.088	142	260562	52.593	ug/l	90
11) Tert butyl alcohol	4.948	59	107749	219.276	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	193478	48.520	ug/l	87
13) Acrolein	3.723	56	128081	246.223	ug/l	99
14) Allyl chloride	4.473	41	343660	48.966	ug/l	91
15) Acrylonitrile	5.155	53	298083	240.100	ug/l	98
16) Acetone	3.942	43	290027	282.460	ug/l	91
17) Carbon Disulfide	4.186	76	575857	47.411	ug/l	100
18) Methyl Acetate	4.473	43	150005	47.075	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	569395	48.844	ug/l	99
20) Methylene Chloride	4.710	84	227564	45.925	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	220012	48.689	ug/l	93
22) Diisopropyl ether	6.112	45	702499	49.250	ug/l	92
23) Vinyl Acetate	6.051	43	2201085	246.110	ug/l #	95
24) 1,1-Dichloroethane	6.009	63	405299	49.323	ug/l	99
25) 2-Butanone	6.978	43	421086	249.886	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	368103	49.184	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	257209	49.807	ug/l	91
28) Bromochloromethane	7.332	49	150764	54.831	ug/l	91
29) Tetrahydrofuran	7.338	42	258193	239.045	ug/l	91
30) Chloroform	7.502	83	401373	49.601	ug/l	100
31) Cyclohexane	7.777	56	371404	46.354	ug/l	97
32) 1,1,1-Trichloroethane	7.698	97	363731	49.331	ug/l	96
36) 1,1-Dichloropropene	7.911	75	314299	49.623	ug/l	98
37) Ethyl Acetate	7.070	43	175265	48.264	ug/l #	96
38) Carbon Tetrachloride	7.899	117	324701	49.743	ug/l	100
39) Methylcyclohexane	9.179	83	401573	49.110	ug/l	93
40) Benzene	8.155	78	899113	49.567	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	91306m	44.475	ug/l	
42) 1,2-Dichloroethane	8.234	62	258460	49.142	ug/l	93
43) Isopropyl Acetate	8.271	43	335940	48.532	ug/l #	92
44) Trichloroethene	8.935	130	248571	49.916	ug/l	99
45) 1,2-Dichloropropane	9.209	63	228064	49.349	ug/l	97
46) Dibromomethane	9.301	93	123911	48.816	ug/l	97
47) Bromodichloromethane	9.496	83	312314	50.032	ug/l	99
48) Methyl methacrylate	9.289	41	160168	49.604	ug/l	88
49) 1,4-Dioxane	9.295	88	32757	937.870	ug/l #	95
51) 4-Methyl-2-Pentanone	10.069	43	877538	245.720	ug/l	91
52) Toluene	10.240	92	573241	49.402	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	334319	49.655	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	376779	49.630	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	176644	49.023	ug/l	98
56) Ethyl methacrylate	10.508	69	265373	49.849	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	309507	49.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	319133	179.076	ug/l	97
59) 2-Hexanone	10.831	43	626120	252.830	ug/l	89
60) Dibromochloromethane	10.984	129	215803	49.702	ug/l	100
61) 1,2-Dibromoethane	11.087	107	171451	49.237	ug/l	100
64) Tetrachloroethene	10.721	164	231589	49.657	ug/l	98
65) Chlorobenzene	11.514	112	605504	49.688	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	223746	50.003	ug/l	98
67) Ethyl Benzene	11.593	91	1114801	49.957	ug/l	98
68) m/p-Xylenes	11.703	106	857142	100.549	ug/l	96
69) o-Xylene	12.026	106	411564	49.726	ug/l	95
70) Styrene	12.044	104	691117	50.128	ug/l	97
71) Bromoform	12.209	173	137546	49.726	ug/l #	99
73) Isopropylbenzene	12.331	105	1093961	49.938	ug/l	100
74) N-amyl acetate	12.142	43	297872	49.287	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	205540	48.822	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	164319m	52.699	ug/l	
77) Bromobenzene	12.605	156	244194	49.002	ug/l	99
78) n-propylbenzene	12.672	91	1318325	50.133	ug/l	99
79) 2-Chlorotoluene	12.758	91	740745	49.838	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	913163	49.753	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	78477	50.102	ug/l	86
82) 4-Chlorotoluene	12.855	91	765334	50.009	ug/l	100
83) tert-Butylbenzene	13.075	119	793912	49.789	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	898110	49.829	ug/l	99
85) sec-Butylbenzene	13.251	105	1178621	49.982	ug/l	100
86) p-Isopropyltoluene	13.367	119	983314	50.482	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	482394	49.854	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	475630	49.439	ug/l	99
89) n-Butylbenzene	13.696	91	919025	49.911	ug/l	98
90) Hexachloroethane	13.959	117	186960	50.004	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	427462	49.566	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	34883	47.022	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	258488	48.424	ug/l	98
94) Hexachlorobutadiene	15.111	225	151345	48.374	ug/l	98
95) Naphthalene	15.239	128	533161	48.137	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	219003	48.441	ug/l	99

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

