

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010271.D
 Acq On : 02 Sep 2022 10:46
 Operator : KP/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 :Krupa Patel 09/06/2022
 Supervised By :Mahesh Dadoda 09/06/2022

Quant Time: Sep 02 16:24:30 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	7.789	168	393301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	647074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	569675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	276263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	77276	19.163	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.320%#		
35) Dibromofluoromethane	7.716	113	98688	22.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	45.820%#		
50) Toluene-d8	10.179	98	239504	16.607	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	33.220%#		
62) 4-Bromofluorobenzene	12.477	95	176609	26.404	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	52.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	72247	23.011	ug/l	99
3) Chloromethane	2.113	50	94490	22.042	ug/l	95
4) Vinyl Chloride	2.247	62	100764	21.574	ug/l	100
5) Bromomethane	2.631	94	59970	20.227	ug/l	97
6) Chloroethane	2.784	64	60084	21.030	ug/l	99
7) Trichlorofluoromethane	3.113	101	138355	21.133	ug/l	94
8) Diethyl Ether	3.527	74	48597	20.773	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	83778	20.720	ug/l	95
10) Methyl Iodide	4.082	142	101322	20.829	ug/l	89
11) Tert butyl alcohol	4.954	59	52864	109.570	ug/l #	94
12) 1,1-Dichloroethene	3.863	96	81952	20.932	ug/l	84
13) Acrolein	3.723	56	51925	101.665	ug/l	99
14) Allyl chloride	4.472	41	144759	21.007	ug/l	90
15) Acrylonitrile	5.155	53	126673	103.918	ug/l	97
16) Acetone	3.942	43	98361	97.565	ug/l	92
17) Carbon Disulfide	4.186	76	259135	21.729	ug/l	99
18) Methyl Acetate	4.472	43	65632	20.977	ug/l #	91
19) Methyl tert-butyl Ether	5.216	73	236755	20.685	ug/l	95
20) Methylene Chloride	4.704	84	102770	21.124	ug/l	89
21) trans-1,2-Dichloroethene	5.210	96	92923	20.944	ug/l	95
22) Diisopropyl ether	6.112	45	289187	20.648	ug/l	96
23) Vinyl Acetate	6.057	43	916570	104.378	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	165815	20.552	ug/l	99
25) 2-Butanone	6.984	43	169398	102.384	ug/l	91
26) 2,2-Dichloropropane	6.972	77	150039	20.418	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	105652	20.837	ug/l	91
28) Bromochloromethane	7.332	49	43004	15.929	ug/l	90
29) Tetrahydrofuran	7.344	42	111924	105.538	ug/l	90
30) Chloroform	7.502	83	162478	20.450	ug/l	100
31) Cyclohexane	7.783	56	164350	20.891	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	148896	20.567	ug/l	96
36) 1,1-Dichloropropene	7.917	75	128972	20.406	ug/l	97
37) Ethyl Acetate	7.069	43	75470	20.827	ug/l #	94
38) Carbon Tetrachloride	7.899	117	134163	20.597	ug/l	98
39) Methylcyclohexane	9.179	83	170156	20.853	ug/l	95
40) Benzene	8.155	78	369807	20.430	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	42489m	20.740	ug/l	
42) 1,2-Dichloroethane	8.234	62	110032	20.965	ug/l	93
43) Isopropyl Acetate	8.270	43	142898	20.688	ug/l #	93
44) Trichloroethene	8.935	130	101617	20.449	ug/l	96
45) 1,2-Dichloropropane	9.215	63	93405	20.254	ug/l	96
46) Dibromomethane	9.301	93	51534	20.345	ug/l	97
47) Bromodichloromethane	9.496	83	125847	20.203	ug/l	99
48) Methyl methacrylate	9.289	41	67074	20.817	ug/l	87
49) 1,4-Dioxane	9.295	88	14130	405.416	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	369817	103.772	ug/l	91
52) Toluene	10.240	92	236462	20.421	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	135086	20.106	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	154391	20.380	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	74292	20.662	ug/l	99
56) Ethyl methacrylate	10.508	69	107787	20.290	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	129489	20.661	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	215909	121.411	ug/l	97
59) 2-Hexanone	10.831	43	256021	103.602	ug/l	89
60) Dibromochloromethane	10.983	129	88388	20.400	ug/l	99
61) 1,2-Dibromoethane	11.087	107	71358	20.536	ug/l	100
64) Tetrachloroethene	10.721	164	97076	20.895	ug/l	97
65) Chlorobenzene	11.514	112	249634	20.564	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	92365	20.721	ug/l	97
67) Ethyl Benzene	11.593	91	457182	20.566	ug/l	99
68) m/p-Xylenes	11.703	106	349303	41.134	ug/l	96
69) o-Xylene	12.026	106	168729	20.465	ug/l	95
70) Styrene	12.044	104	282307	20.555	ug/l	97
71) Bromoform	12.209	173	56130	20.371	ug/l #	99
73) Isopropylbenzene	12.331	105	445821	20.227	ug/l	100
74) N-amyl acetate	12.142	43	125631	20.660	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	85880	20.274	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	65510m	20.881	ug/l	
77) Bromobenzene	12.605	156	100483	20.040	ug/l	98
78) n-propylbenzene	12.672	91	535510	20.240	ug/l	99
79) 2-Chlorotoluene	12.757	91	303325	20.283	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	378855	20.516	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	31742	20.141	ug/l	87
82) 4-Chlorotoluene	12.855	91	313242	20.343	ug/l	99
83) tert-Butylbenzene	13.074	119	324650	20.235	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	370640	20.438	ug/l	98
85) sec-Butylbenzene	13.251	105	484618	20.426	ug/l	100
86) p-Isopropyltoluene	13.367	119	397975	20.307	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	197297	20.265	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	195402	20.187	ug/l	97
89) n-Butylbenzene	13.696	91	381426	20.588	ug/l	99
90) Hexachloroethane	13.958	117	76776	20.409	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	175303	20.203	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15305	20.505	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	108106	20.129	ug/l	99
94) Hexachlorobutadiene	15.111	225	64251	20.411	ug/l	98
95) Naphthalene	15.233	128	225000	20.190	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	90687	19.937	ug/l	98

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

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