

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082422\
 Data File : VY010192.D
 Acq On : 24 Aug 2022 12:30
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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

Quant Time: Aug 25 01:51:57 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	7.782	168	210123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	323445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	308215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	156696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	251934	138.824	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 277.640%#			
35) Dibromofluoromethane	7.709	113	284997	152.279	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 304.560%#			
50) Toluene-d8	10.178	98	921343	142.314	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 284.620%#			
62) 4-Bromofluorobenzene	12.477	95	386770	155.262	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 310.520%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.899	85	203929	127.738	ug/l	99
3) Chloromethane	2.107	50	241294	152.689	ug/l	97
4) Vinyl Chloride	2.241	62	274721	159.041	ug/l	99
5) Bromomethane	2.619	94	230637	166.631	ug/l	96
6) Chloroethane	2.777	64	207551	168.992	ug/l	99
7) Trichlorofluoromethane	3.113	101	435102	225.708	ug/l	94
8) Diethyl Ether	3.521	74	190751	167.642	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.881	101	315090	161.409	ug/l	95
10) Methyl Iodide	4.076	142	419372	194.425	ug/l #	88
11) Tert butyl alcohol	4.954	59	173613	720.175	ug/l	96
12) 1,1-Dichloroethene	3.856	96	303234	173.478	ug/l	83
13) Acrolein	3.722	56	48994	618.359	ug/l	100
14) Allyl chloride	4.466	41	517376	168.091	ug/l #	87
15) Acrylonitrile	5.149	53	525585	858.421	ug/l	97
16) Acetone	3.942	43	385954	765.821	ug/l #	87
17) Carbon Disulfide	4.179	76	820090	183.534	ug/l	100
18) Methyl Acetate	4.466	43	248440	143.836	ug/l	92
19) Methyl tert-butyl Ether	5.210	73	908021	175.978	ug/l	97
20) Methylene Chloride	4.698	84	366354	110.834	ug/l	85
21) trans-1,2-Dichloroethene	5.204	96	348237	171.907	ug/l	87
22) Diisopropyl ether	6.112	45	1093428	159.278	ug/l #	91
23) Vinyl Acetate	6.051	43	3587322	887.225	ug/l #	94
24) 1,1-Dichloroethane	6.002	63	620527	159.064	ug/l	99
25) 2-Butanone	6.978	43	660755	787.808	ug/l #	87
26) 2,2-Dichloropropane	6.972	77	546658	152.579	ug/l	93
27) cis-1,2-Dichloroethene	6.978	96	413553	169.482	ug/l	86
28) Bromochloromethane	7.325	49	196873	150.553	ug/l #	81
29) Tetrahydrofuran	7.337	42	441492	865.149	ug/l	89
30) Chloroform	7.496	83	644823	159.480	ug/l	100
31) Cyclohexane	7.776	56	532362	166.291	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	568061	167.256	ug/l	95
36) 1,1-Dichloropropene	7.911	75	485434	173.948	ug/l	97
37) Ethyl Acetate	7.063	43	295361	166.762	ug/l #	94
38) Carbon Tetrachloride	7.892	117	515462	174.668	ug/l	98
39) Methylcyclohexane	9.179	83	592343	190.415	ug/l	91
40) Benzene	8.154	78	1442577	169.236	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	157683m	112.493	ug/l	
42) 1,2-Dichloroethane	8.234	62	392881	166.121	ug/l	91
43) Isopropyl Acetate	8.264	43	544117	175.918	ug/l #	92
44) Trichloroethene	8.935	130	407034	173.017	ug/l	99
45) 1,2-Dichloropropane	9.209	63	362414	161.966	ug/l	95
46) Dibromomethane	9.301	93	210001	170.175	ug/l	98
47) Bromodichloromethane	9.490	83	503569	165.871	ug/l	98
48) Methyl methacrylate	9.288	41	242801	182.127	ug/l #	82
49) 1,4-Dioxane	9.294	88	57428	4001.427	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	1469479	867.543	ug/l	89
52) Toluene	10.239	92	931774	174.244	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	539235	178.831	ug/l	100
54) cis-1,3-Dichloropropene	9.922	75	603565	172.861	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	307602	164.566	ug/l	98
56) Ethyl methacrylate	10.508	69	436958	190.432	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	515562	169.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	680859	741.679	ug/l	95
59) 2-Hexanone	10.831	43	1029384	897.731	ug/l	87
60) Dibromochloromethane	10.983	129	375149	170.074	ug/l	99
61) 1,2-Dibromoethane	11.087	107	298067	173.014	ug/l	100
64) Tetrachloroethene	10.715	164	385460	169.891	ug/l	98
65) Chlorobenzene	11.514	112	1014250	169.093	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	384887	168.530	ug/l	98
67) Ethyl Benzene	11.593	91	1839616	177.846	ug/l	97
68) m/p-Xylenes	11.703	106	1417282	356.711	ug/l	94
69) o-Xylene	12.026	106	678353	179.014	ug/l	93
70) Styrene	12.044	104	1168117	180.028	ug/l	95
71) Bromoform	12.209	173	246141	171.121	ug/l #	98
73) Isopropylbenzene	12.330	105	1788187	184.565	ug/l	100
74) N-amyl acetate	12.141	43	486758	184.183	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.580	83	354864	167.789	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	259817m	109.314	ug/l	
77) Bromobenzene	12.605	156	421976	177.061	ug/l	96
78) n-propylbenzene	12.672	91	2155120	178.919	ug/l	98
79) 2-Chlorotoluene	12.757	91	1203712	177.682	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	1477578	179.627	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	132369	183.066	ug/l #	84
82) 4-Chlorotoluene	12.855	91	1249565	176.540	ug/l	97
83) tert-Butylbenzene	13.074	119	1306085	184.620	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	1469612	180.545	ug/l	98
85) sec-Butylbenzene	13.251	105	1924606	178.655	ug/l	99
86) p-Isopropyltoluene	13.367	119	1618026	184.012	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	837663	172.755	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	820771	168.026	ug/l	98
89) n-Butylbenzene	13.696	91	1500982	177.965	ug/l	98
90) Hexachloroethane	13.958	117	308407	166.972	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	740954	170.939	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	58413	199.616	ug/l	71
93) 1,2,4-Trichlorobenzene	15.007	180	473291	230.969	ug/l	100
94) Hexachlorobutadiene	15.110	225	248238	200.828	ug/l	98
95) Naphthalene	15.232	128	965802	239.394	ug/l	98
96) 1,2,3-Trichlorobenzene	15.421	180	318540	175.278	ug/l	99

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

