

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072622\
 Data File : VY009698.D
 Acq On : 26 Jul 2022 13:39
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/27/2022
 Supervised By :Mahesh Dadoda 07/27/2022

Quant Time: Jul 27 02:15:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 02:13:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	251373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	373042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	340013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	233043	120.629	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 241.260%#			
35) Dibromofluoromethane	7.710	113	276543	135.993	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 271.980%#			
50) Toluene-d8	10.173	98	841319	124.013	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 248.020%#			
62) 4-Bromofluorobenzene	12.477	95	400063	147.998	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 296.000%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	293907	133.812	ug/l	97
3) Chloromethane	2.107	50	376106	135.880	ug/l	96
4) Vinyl Chloride	2.241	62	417601	136.605	ug/l	99
5) Bromomethane	2.613	94	257655	122.655	ug/l	100
6) Chloroethane	2.771	64	247015	134.837	ug/l	99
7) Trichlorofluoromethane	3.107	101	575743	143.092	ug/l	93
8) Diethyl Ether	3.515	74	191449	146.187	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.881	101	325320	142.776	ug/l	94
10) Methyl Iodide	4.076	142	460617	153.344	ug/l #	88
11) Tert butyl alcohol	4.954	59	190555	711.836	ug/l	96
12) 1,1-Dichloroethene	3.857	96	316526	147.565	ug/l	83
13) Acrolein	3.722	56	28777	653.785	ug/l	100
14) Allyl chloride	4.466	41	502097	149.003	ug/l #	90
15) Acrylonitrile	5.149	53	498184	779.063	ug/l	97
16) Acetone	3.936	43	402357	667.212	ug/l	90
17) Carbon Disulfide	4.180	76	989698	150.059	ug/l	100
18) Methyl Acetate	4.466	43	230845	130.514	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	918767	155.439	ug/l	96
20) Methylene Chloride	4.698	84	373374	91.416	ug/l	85
21) trans-1,2-Dichloroethene	5.204	96	369794	147.377	ug/l	86
22) Diisopropyl ether	6.112	45	1085376	150.236	ug/l #	90
23) Vinyl Acetate	6.051	43	3691594	827.465	ug/l #	93
24) 1,1-Dichloroethane	6.003	63	608566	146.093	ug/l	98
25) 2-Butanone	6.978	43	674165	755.790	ug/l #	85
26) 2,2-Dichloropropane	6.972	77	545553	137.718	ug/l	93
27) cis-1,2-Dichloroethene	6.972	96	415282	148.486	ug/l	86
28) Bromochloromethane	7.325	49	221137	146.062	ug/l #	80
29) Tetrahydrofuran	7.338	42	456071	805.726	ug/l #	87
30) Chloroform	7.496	83	628484	144.433	ug/l	99
31) Cyclohexane	7.777	56	570154	143.033	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	571974	145.772	ug/l	95
36) 1,1-Dichloropropene	7.911	75	495113	148.280	ug/l	96
37) Ethyl Acetate	7.063	43	299558	152.553	ug/l #	94
38) Carbon Tetrachloride	7.892	117	524584	148.351	ug/l	99
39) Methylcyclohexane	9.179	83	638401	156.959	ug/l	90
40) Benzene	8.155	78	1442883	147.356	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	161753m	160.486	ug/l	
42) 1,2-Dichloroethane	8.228	62	397962	145.990	ug/l	90
43) Isopropyl Acetate	8.264	43	545508	158.335	ug/l #	92
44) Trichloroethene	8.935	130	419886	149.723	ug/l	99
45) 1,2-Dichloropropane	9.209	63	354871	148.970	ug/l	95
46) Dibromomethane	9.301	93	216689	151.178	ug/l	96
47) Bromodichloromethane	9.490	83	491819	150.460	ug/l	99
48) Methyl methacrylate	9.289	41	247425	163.351	ug/l #	84
49) 1,4-Dioxane	9.289	88	66207	3554.018	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	1474602	838.549	ug/l	89
52) Toluene	10.240	92	944126	154.423	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	531052	158.009	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	595560	153.844	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	302995	151.118	ug/l	98
56) Ethyl methacrylate	10.508	69	439377	175.202	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	498551	152.047	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	1024574	937.347	ug/l	94
59) 2-Hexanone	10.831	43	1043541	834.443	ug/l	87
60) Dibromochloromethane	10.983	129	372218	153.667	ug/l	100
61) 1,2-Dibromoethane	11.087	107	304725	156.092	ug/l	100
64) Tetrachloroethene	10.715	164	392992	147.263	ug/l	98
65) Chlorobenzene	11.514	112	995932	146.186	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	383620	151.510	ug/l	98
67) Ethyl Benzene	11.587	91	1817501	154.152	ug/l	97
68) m/p-Xylenes	11.697	106	1436540	304.903	ug/l	92
69) o-Xylene	12.026	106	689872	155.989	ug/l	91
70) Styrene	12.044	104	1179078	158.723	ug/l	94
71) Bromoform	12.203	173	256900	158.208	ug/l #	99
73) Isopropylbenzene	12.325	105	1777007	154.018	ug/l	99
74) N-amyl acetate	12.142	43	507333	165.672	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	354419	153.743	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	249667m	149.895	ug/l	
77) Bromobenzene	12.605	156	432266	149.870	ug/l	93
78) n-propylbenzene	12.666	91	2102763	152.978	ug/l	97
79) 2-Chlorotoluene	12.751	91	1165618	150.557	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	1451836	152.131	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	134867	164.701	ug/l #	84
82) 4-Chlorotoluene	12.855	91	1207628	148.903	ug/l	96
83) tert-Butylbenzene	13.074	119	1289783	153.507	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	1450251	153.763	ug/l	97
85) sec-Butylbenzene	13.251	105	1872964	152.330	ug/l	98
86) p-Isopropyltoluene	13.367	119	1604395	153.657	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	844203	148.684	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	824357	144.256	ug/l	97
89) n-Butylbenzene	13.696	91	1456752	152.601	ug/l	97
90) Hexachloroethane	13.958	117	298790	146.106	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	737927	144.854	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	57647	153.083	ug/l	67
93) 1,2,4-Trichlorobenzene	15.007	180	480300	149.293	ug/l	100
94) Hexachlorobutadiene	15.111	225	264784	137.075	ug/l	98
95) Naphthalene	15.233	128	955515	158.961	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	398216	142.871	ug/l	100

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

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