

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022822\
 Data File : VY007659.D
 Acq On : 28 Feb 2022 18:58
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 01 07:05:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 07:02:33 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/01/2022
 Supervised By : Mahesh Dadoda 03/01/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	428713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	668121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	584113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	295275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	594318	124.112	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 248.220%#			
35) Dibromofluoromethane	7.716	113	600891	140.091	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 280.180%#			
50) Toluene-d8	10.179	98	2224896	148.280	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 296.560%#			
62) 4-Bromofluorobenzene	12.477	95	713818	130.402	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 260.800%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	397557	79.456	ug/l	99
3) Chloromethane	2.113	50	591225	104.728	ug/l	96
4) Vinyl Chloride	2.253	62	799407	123.719	ug/l	99
5) Bromomethane	2.637	94	767103	163.599	ug/l	98
6) Chloroethane	2.790	64	643199	152.039	ug/l	100
7) Trichlorofluoromethane	3.119	101	950495	83.102	ug/l	93
8) Diethyl Ether	3.527	74	308881	102.589	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.899	101	585295	113.225	ug/l	95
10) Methyl Iodide	4.088	142	781705	126.191	ug/l	92
11) Tert butyl alcohol	4.966	59	257594	542.776	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	524346	110.762	ug/l	91
13) Acrolein	3.729	56	217027	377.233	ug/l	97
14) Allyl chloride	4.478	41	816802	168.566	ug/l #	91
15) Acrylonitrile	5.161	53	829771	735.552	ug/l	99
16) Acetone	3.948	43	559602	522.860	ug/l	90
17) Carbon Disulfide	4.192	76	1353703	112.731	ug/l	100
18) Methyl Acetate	4.472	43	355003	135.619	ug/l #	87
19) Methyl tert-butyl Ether	5.222	73	1698998	128.921	ug/l	97
20) Methylene Chloride	4.716	84	607620	102.125	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	616435	125.930	ug/l	88
22) Diisopropyl ether	6.118	45	2005072	188.272	ug/l #	94
23) Vinyl Acetate	6.057	43	6609914	886.155	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	1166878	153.621	ug/l	99
25) 2-Butanone	6.984	43	1036662	780.030	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	1077018	131.388	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	752611	132.141	ug/l	90
28) Bromochloromethane	7.332	49	515187	187.679	ug/l	87
29) Tetrahydrofuran	7.344	42	694009	856.802	ug/l #	83
30) Chloroform	7.508	83	1215040	129.687	ug/l	99
31) Cyclohexane	7.783	56	965029	144.840	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	1105788	120.739	ug/l	97
36) 1,1-Dichloropropene	7.917	75	899819	141.715	ug/l	98
37) Ethyl Acetate	7.069	43	488561	160.515	ug/l	96
38) Carbon Tetrachloride	7.899	117	996594	113.397	ug/l	99
39) Methylcyclohexane	9.179	83	1130732	139.221	ug/l	90
40) Benzene	8.161	78	2558351	141.395	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	252135m	156.956	ug/l	
42) 1,2-Dichloroethane	8.234	62	778224	121.414	ug/l	94
43) Isopropyl Acetate	8.270	43	946572	156.765	ug/l #	92
44) Trichloroethene	8.935	130	704538	119.241	ug/l	97
45) 1,2-Dichloropropane	9.215	63	661876	165.239	ug/l	96
46) Dibromomethane	9.301	93	394338	123.276	ug/l	96
47) Bromodichloromethane	9.496	83	945956	130.480	ug/l	99
48) Methyl methacrylate	9.289	41	409943	159.913	ug/l #	83
49) 1,4-Dioxane	9.301	88	101586	2497.335	ug/l #	73
51) 4-Methyl-2-Pentanone	10.069	43	2529801	819.176	ug/l	89
52) Toluene	10.240	92	1694360	137.912	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	997157	134.419	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	1101631	141.033	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	537434	127.530	ug/l	99
56) Ethyl methacrylate	10.508	69	762777	149.645	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	911013	139.259	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	2137166	850.673	ug/l	97
59) 2-Hexanone	10.831	43	1696636	773.787	ug/l	87
60) Dibromochloromethane	10.983	129	675258	122.125	ug/l	99
61) 1,2-Dibromoethane	11.087	107	517148	123.878	ug/l	100
64) Tetrachloroethene	10.715	164	590001	114.510	ug/l	98
65) Chlorobenzene	11.514	112	1803513	138.179	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	717065	139.890	ug/l	98
67) Ethyl Benzene	11.587	91	3391945	152.763	ug/l	99
68) m/p-Xylenes	11.697	106	2612847	299.505	ug/l	92
69) o-Xylene	12.026	106	1250753	146.732	ug/l	93
70) Styrene	12.038	104	2168213	151.667	ug/l	96
71) Bromoform	12.203	173	452869	133.751	ug/l #	98
73) Isopropylbenzene	12.325	105	3335179	143.496	ug/l	100
74) N-amyl acetate	12.142	43	877210	181.511	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	660290	151.864	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	448421m	145.645	ug/l	
77) Bromobenzene	12.605	156	758147	127.900	ug/l	93
78) n-propylbenzene	12.666	91	3941281	145.580	ug/l	99
79) 2-Chlorotoluene	12.751	91	2114643	140.696	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	2647826	135.397	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	236153	162.824	ug/l	87
82) 4-Chlorotoluene	12.855	91	2206630	144.432	ug/l	97
83) tert-Butylbenzene	13.074	119	2444199	138.988	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	2637428	137.500	ug/l	98
85) sec-Butylbenzene	13.251	105	3552829	141.684	ug/l	100
86) p-Isopropyltoluene	13.367	119	3055962	143.015	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	1547328	139.139	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	1473335	135.087	ug/l	97
89) n-Butylbenzene	13.696	91	2779226	143.206	ug/l	100
90) Hexachloroethane	13.958	117	562047	132.484	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	1322253	131.371	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	99512	122.016	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	845477	122.736	ug/l	99
94) Hexachlorobutadiene	15.111	225	489100	127.154	ug/l	99
95) Naphthalene	15.233	128	1726340	117.973	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	738755	123.974	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

