

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031722\
 Data File : VY007873.D
 Acq On : 17 Mar 2022 12:14
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 17 12:33:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 12:24:01 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

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 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	358330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	580935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	511192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	237514	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	446590	119.047	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 238.100%#	
35) Dibromofluoromethane	7.716	113	477299	128.510	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 257.020%#	
50) Toluene-d8	10.179	98	1641979	120.100	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 240.200%#	
62) 4-Bromofluorobenzene	12.483	95	631388	143.269	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 286.540%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	319863	119.542	ug/l	98
3) Chloromethane	2.113	50	389532	87.777	ug/l	96
4) Vinyl Chloride	2.253	62	502969	93.564	ug/l	100
5) Bromomethane	2.631	94	306425	70.528	ug/l	97
6) Chloroethane	2.784	64	344402	83.541	ug/l	100
7) Trichlorofluoromethane	3.119	101	816351	132.913	ug/l	93
8) Diethyl Ether	3.528	74	290384	146.930	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.899	101	536426	143.075	ug/l	93
10) Methyl Iodide	4.088	142	610788	133.898	ug/l	89
11) Tert butyl alcohol	4.954	59	274569	845.374	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	468330	140.746	ug/l	82
13) Acrolein	3.729	56	85789	259.906	ug/l	96
14) Allyl chloride	4.479	41	796872	159.215	ug/l #	91
15) Acrylonitrile	5.161	53	777251	745.061	ug/l	97
16) Acetone	3.942	43	629275	824.591	ug/l #	86
17) Carbon Disulfide	4.192	76	1016198	112.102	ug/l	99
18) Methyl Acetate	4.473	43	328490	124.962	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	1498987	145.146	ug/l	97
20) Methylene Chloride	4.716	84	548925	129.287	ug/l	85
21) trans-1,2-Dichloroethene	5.216	96	517702	133.337	ug/l	89
22) Diisopropyl ether	6.119	45	1764833	147.604	ug/l #	94
23) Vinyl Acetate	6.058	43	5693806	753.030	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	993174	137.476	ug/l	98
25) 2-Butanone	6.984	43	1001343	782.188	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	941355	146.421	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	648351	142.407	ug/l	88
28) Bromochloromethane	7.332	49	409529	133.295	ug/l #	83
29) Tetrahydrofuran	7.344	42	633792	723.553	ug/l #	87
30) Chloroform	7.509	83	1038818	138.796	ug/l	99
31) Cyclohexane	7.783	56	811045	123.733	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	936913	140.656	ug/l	96
36) 1,1-Dichloropropene	7.917	75	734715	125.750	ug/l	96
37) Ethyl Acetate	7.070	43	436938	135.399	ug/l #	93
38) Carbon Tetrachloride	7.899	117	826645	132.636	ug/l	99
39) Methylcyclohexane	9.185	83	932366	129.846	ug/l	90
40) Benzene	8.161	78	2163575	133.059	ug/l	97

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41) Methacrylonitrile	7.326	41	283057m	183.553	ug/l	
42) 1,2-Dichloroethane	8.234	62	638044	125.754	ug/l	92
43) Isopropyl Acetate	8.271	43	869184	145.645	ug/l #	92
44) Trichloroethene	8.941	130	613585	135.871	ug/l	98
45) 1,2-Dichloropropane	9.216	63	578008	137.460	ug/l	96
46) Dibromomethane	9.307	93	326199	129.236	ug/l	97
47) Bromodichloromethane	9.496	83	822866	138.995	ug/l	100
48) Methyl methacrylate	9.289	41	380073	146.929	ug/l #	87
49) 1,4-Dioxane	9.295	88	95134	3121.992	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	2208079	691.502	ug/l	90
52) Toluene	10.246	92	1397703	132.941	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	857467	141.073	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	960560	143.039	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	482701	140.572	ug/l	99
56) Ethyl methacrylate	10.508	69	680497	149.268	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	800211	137.809	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	1710706	688.070	ug/l	94
59) 2-Hexanone	10.831	43	1546369	719.123	ug/l	89
60) Dibromochloromethane	10.984	129	596288	145.836	ug/l	100
61) 1,2-Dibromoethane	11.087	107	458467	140.077	ug/l	99
64) Tetrachloroethene	10.721	164	489159	129.093	ug/l	98
65) Chlorobenzene	11.514	112	1546686	138.877	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	595443	142.971	ug/l	98
67) Ethyl Benzene	11.593	91	2748014	136.823	ug/l	97
68) m/p-Xylenes	11.703	106	2110547	273.874	ug/l	93
69) o-Xylene	12.026	106	1038763	142.245	ug/l	92
70) Styrene	12.044	104	1749838	143.106	ug/l	97
71) Bromoform	12.209	173	377253	145.478	ug/l #	99
73) Isopropylbenzene	12.331	105	2758999	149.106	ug/l	99
74) N-amyl acetate	12.142	43	787223	159.823	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	566670	146.017	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	412804m	155.630	ug/l	
77) Bromobenzene	12.611	156	630733	147.988	ug/l	99
78) n-propylbenzene	12.672	91	3269929	146.450	ug/l	97
79) 2-Chlorotoluene	12.758	91	1853023	155.091	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	2235911	151.120	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	205450	158.349	ug/l #	85
82) 4-Chlorotoluene	12.855	91	1902937	154.841	ug/l	99
83) tert-Butylbenzene	13.075	119	2034346	149.481	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	2153671	147.777	ug/l	98
85) sec-Butylbenzene	13.251	105	2975844	147.816	ug/l	99
86) p-Isopropyltoluene	13.367	119	2385270	143.452	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	1196093	141.029	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	1204390	143.883	ug/l	99
89) n-Butylbenzene	13.697	91	2324115	147.890	ug/l	98
90) Hexachloroethane	13.959	117	510385	161.932	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	1098693	145.893	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	95174	161.936	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	727576	152.605	ug/l	99
94) Hexachlorobutadiene	15.111	225	389682	138.242	ug/l	99
95) Naphthalene	15.233	128	1605700	165.551	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	640291	150.686	ug/l	97

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

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