

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011150.D
 Acq On : 28 Oct 2022 11:39
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/01/2022
 Supervised By :Mahesh Dadoda 11/01/2022

Quant Time: Oct 28 22:46:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 22:42:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	283003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	452700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	408427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	197125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	283514	96.885	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 193.760%#			
35) Dibromofluoromethane	7.716	113	277614	99.720	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 199.440%#			
50) Toluene-d8	10.179	98	1112360	100.857	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 201.720%#			
62) 4-Bromofluorobenzene	12.477	95	371795	103.025	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 206.040%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	134143	87.073	ug/l	99
3) Chloromethane	2.113	50	173759	83.559	ug/l	96
4) Vinyl Chloride	2.247	62	212165	86.463	ug/l	98
5) Bromomethane	2.637	94	138643	80.307	ug/l	97
6) Chloroethane	2.790	64	148619	87.398	ug/l	97
7) Trichlorofluoromethane	3.125	101	356437	89.107	ug/l	93
8) Diethyl Ether	3.527	74	138992	96.458	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.899	101	230191	91.124	ug/l	94
10) Methyl Iodide	4.088	142	273975	98.996	ug/l	92
11) Tert butyl alcohol	4.954	59	142491	444.209	ug/l	97
12) 1,1-Dichloroethene	3.869	96	207072	91.083	ug/l	84
13) Acrolein	3.723	56	88791	430.823	ug/l	97
14) Allyl chloride	4.478	41	340814	96.547	ug/l #	85
15) Acrylonitrile	5.155	53	392443	493.553	ug/l	97
16) Acetone	3.942	43	359251	501.757	ug/l #	84
17) Carbon Disulfide	4.192	76	477849	80.977	ug/l	100
18) Methyl Acetate	4.472	43	181338	80.152	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	679284	101.227	ug/l	97
20) Methylene Chloride	4.710	84	277940	74.846	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	236007	90.543	ug/l	89
22) Diisopropyl ether	6.118	45	789499	97.281	ug/l #	90
23) Vinyl Acetate	6.057	43	2463614	533.954	ug/l #	91
24) 1,1-Dichloroethane	6.015	63	463288	92.396	ug/l	99
25) 2-Butanone	6.984	43	519925	506.588	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	419824	93.687	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	298062	94.383	ug/l	88
28) Bromochloromethane	7.332	49	231798	101.243	ug/l	86
29) Tetrahydrofuran	7.344	42	309823	506.662	ug/l #	84
30) Chloroform	7.502	83	484096	91.961	ug/l	100
31) Cyclohexane	7.783	56	352684	85.618	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	417998	93.327	ug/l	96
36) 1,1-Dichloropropene	7.917	75	338559	93.284	ug/l	98
37) Ethyl Acetate	7.069	43	209770	102.154	ug/l #	93
38) Carbon Tetrachloride	7.899	117	371021	93.854	ug/l	100
39) Methylcyclohexane	9.179	83	393790	97.241	ug/l	91
40) Benzene	8.161	78	1021122	93.976	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	115188m	98.539	ug/l	
42) 1,2-Dichloroethane	8.234	62	293531	94.946	ug/l	91
43) Isopropyl Acetate	8.270	43	378345	103.330	ug/l #	89
44) Trichloroethene	8.935	130	276566	94.703	ug/l	96
45) 1,2-Dichloropropane	9.215	63	275111	96.186	ug/l	96
46) Dibromomethane	9.301	93	151491	94.749	ug/l	96
47) Bromodichloromethane	9.496	83	383740	97.123	ug/l	99
48) Methyl methacrylate	9.289	41	171117	104.848	ug/l #	79
49) 1,4-Dioxane	9.295	88	46841	2122.598	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	1085127	525.623	ug/l #	86
52) Toluene	10.240	92	648900	95.406	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	394210	99.510	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	443937	98.864	ug/l #	81
55) 1,1,2-Trichloroethane	10.642	97	229631	96.493	ug/l	98
56) Ethyl methacrylate	10.508	69	322806	107.783	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	384424	96.775	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	746531	590.006	ug/l	97
59) 2-Hexanone	10.831	43	780337	547.691	ug/l	84
60) Dibromochloromethane	10.983	129	274876	97.684	ug/l	100
61) 1,2-Dibromoethane	11.087	107	209445	96.958	ug/l	100
64) Tetrachloroethene	10.715	164	261083	92.644	ug/l	97
65) Chlorobenzene	11.514	112	716112	95.220	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	280805	96.231	ug/l	97
67) Ethyl Benzene	11.593	91	1300982	99.024	ug/l	98
68) m/p-Xylenes	11.703	106	980526	195.820	ug/l	95
69) o-Xylene	12.026	106	480177	100.546	ug/l	95
70) Styrene	12.044	104	826982	101.324	ug/l	96
71) Bromoform	12.203	173	178055	99.581	ug/l #	99
73) Isopropylbenzene	12.331	105	1280153	99.463	ug/l	100
74) N-amyl acetate	12.142	43	338555	107.160	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	272323	96.983	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	195413m	93.319	ug/l	
77) Bromobenzene	12.605	156	295431	97.595	ug/l	100
78) n-propylbenzene	12.666	91	1540065	98.395	ug/l	99
79) 2-Chlorotoluene	12.751	91	868422	97.009	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1061652	97.902	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	98402	101.966	ug/l #	83
82) 4-Chlorotoluene	12.855	91	892090	96.063	ug/l	99
83) tert-Butylbenzene	13.075	119	953761	100.757	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	1056223	98.952	ug/l	99
85) sec-Butylbenzene	13.251	105	1396332	98.653	ug/l	100
86) p-Isopropyltoluene	13.367	119	1166340	100.307	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	586114	95.375	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	579915	94.325	ug/l	98
89) n-Butylbenzene	13.696	91	1094629	100.786	ug/l	99
90) Hexachloroethane	13.958	117	229644	94.541	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	529566	95.794	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	45341	100.304	ug/l	83
93) 1,2,4-Trichlorobenzene	15.001	180	335412	106.021	ug/l	99
94) Hexachlorobutadiene	15.105	225	185178	96.925	ug/l	98
95) Naphthalene	15.233	128	732299	115.652	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	295436	107.276	ug/l	99

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

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