

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100322\
 Data File : VY010759.D
 Acq On : 03 Oct 2022 11:48
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

10/04/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 04 07:03:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:03:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	244832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	402511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	354807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	168011	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	13565	5.466	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.940%#
35) Dibromofluoromethane	7.715	113	12560	4.701	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.400%#
50) Toluene-d8	10.178	98	48961	5.358	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	10.720%#
62) 4-Bromofluorobenzene	12.483	95	15613	4.030	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	8.060%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	9019	5.317	ug/l	98
3) Chloromethane	2.113	50	15565	5.517	ug/l	91
4) Vinyl Chloride	2.253	62	18100	5.328	ug/l	95
5) Bromomethane	2.649	94	14291	5.929	ug/l	99
6) Chloroethane	2.796	64	12011	5.305	ug/l	95
7) Trichlorofluoromethane	3.125	101	22391	5.412	ug/l	95
8) Diethyl Ether	3.521	74	6910	5.192	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.905	101	12730	5.367	ug/l	94
10) Methyl Iodide	4.094	142	15430	4.867	ug/l	93
11) Tert butyl alcohol	4.929	59	16268	46.929	ug/l #	90
12) 1,1-Dichloroethene	3.875	96	11997	5.183	ug/l	79
13) Acrolein	3.722	56	5438	28.473	ug/l	92
14) Allyl chloride	4.478	41	16281	4.699	ug/l #	88
15) Acrylonitrile	5.161	53	16362	25.235	ug/l	98
16) Acetone	3.942	43	16360	25.957	ug/l	91
17) Carbon Disulfide	4.192	76	39486	5.279	ug/l	100
18) Methyl Acetate	4.478	43	8952	5.549	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	29824	4.922	ug/l	99
20) Methylene Chloride	4.716	84	22522	6.785	ug/l #	80
21) trans-1,2-Dichloroethene	5.216	96	14295	5.289	ug/l	87
22) Diisopropyl ether	6.118	45	36163	4.759	ug/l	95
23) Vinyl Acetate	6.057	43	104699	22.745	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	23852	5.154	ug/l	98
25) 2-Butanone	6.984	43	23447	25.875	ug/l	96
26) 2,2-Dichloropropane	6.984	77	25161	5.728	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	15206	5.069	ug/l	97
28) Bromochloromethane	7.338	49	7437	5.055	ug/l	86
29) Tetrahydrofuran	7.344	42	13071	24.529	ug/l #	83
30) Chloroform	7.502	83	25392	5.317	ug/l	92
31) Cyclohexane	7.783	56	25245	5.683	ug/l #	70
32) 1,1,1-Trichloroethane	7.697	97	22050	5.125	ug/l	97
36) 1,1-Dichloropropene	7.917	75	19132	4.960	ug/l	98
37) Ethyl Acetate	7.075	43	8906	4.705	ug/l #	92
38) Carbon Tetrachloride	7.898	117	20297	5.052	ug/l	96
39) Methylcyclohexane	9.179	83	22282	4.703	ug/l	92
40) Benzene	8.161	78	56444	5.080	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	5212m	5.406	ug/l	
42) 1,2-Dichloroethane	8.234	62	16252	5.174	ug/l	94
43) Isopropyl Acetate	8.270	43	16016	4.675	ug/l #	86
44) Trichloroethene	8.941	130	15462	5.139	ug/l	97
45) 1,2-Dichloropropane	9.215	63	13306	4.968	ug/l	96
46) Dibromomethane	9.307	93	7642	4.988	ug/l	98
47) Bromodichloromethane	9.496	83	18150	4.909	ug/l	96
48) Methyl methacrylate	9.294	41	7212	4.482	ug/l #	83
49) 1,4-Dioxane	9.301	88	1745	92.522	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	43663	23.296	ug/l	92
52) Toluene	10.246	92	34128	4.826	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	17895	4.675	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	21024	4.796	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	10910	5.075	ug/l	95
56) Ethyl methacrylate	10.508	69	11599	4.199	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	17791	4.867	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.782	63	27387	22.415	ug/l	96
59) 2-Hexanone	10.831	43	27564	21.234	ug/l	87
60) Dibromochloromethane	10.983	129	12598	4.888	ug/l	97
61) 1,2-Dibromoethane	11.093	107	10205	4.978	ug/l	99
64) Tetrachloroethene	10.721	164	14538	5.168	ug/l	98
65) Chlorobenzene	11.514	112	37468	5.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	13365	4.976	ug/l	95
67) Ethyl Benzene	11.593	91	63304	4.787	ug/l	97
68) m/p-Xylenes	11.703	106	49768	9.617	ug/l	92
69) o-Xylene	12.026	106	22977	4.749	ug/l	92
70) Styrene	12.044	104	36999	4.537	ug/l	96
71) Bromoform	12.209	173	7765	4.857	ug/l #	99
73) Isopropylbenzene	12.331	105	59398	4.809	ug/l	100
74) N-amyl acetate	12.142	43	12044	4.243	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.580	83	12390	5.369	ug/l	97
76) 1,2,3-Trichloropropane	12.635	75	7543m	4.468	ug/l	
77) Bromobenzene	12.611	156	14448	5.099	ug/l	97
78) n-propylbenzene	12.672	91	73107	4.860	ug/l	99
79) 2-Chlorotoluene	12.757	91	41657	4.950	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	50918	4.874	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	3968	4.872	ug/l	89
82) 4-Chlorotoluene	12.855	91	44389	5.044	ug/l	99
83) tert-Butylbenzene	13.074	119	42954	4.823	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	48952	4.766	ug/l	98
85) sec-Butylbenzene	13.251	105	65433	4.881	ug/l	100
86) p-Isopropyltoluene	13.367	119	52936	4.706	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	29286	5.092	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	29630	5.203	ug/l	93
89) n-Butylbenzene	13.696	91	49248	4.758	ug/l	99
90) Hexachloroethane	13.958	117	11219	5.215	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	25432	5.074	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1973	5.317	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	14358	4.882	ug/l	99
94) Hexachlorobutadiene	15.111	225	9611	5.300	ug/l	97
95) Naphthalene	15.239	128	24543	4.378	ug/l	98
96) 1,2,3-Trichlorobenzene	15.421	180	11978	4.777	ug/l	98

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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

