

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
 Data File : VY012758.D
 Acq On : 02 Mar 2023 14:10
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/03/2023
 Supervised By :Mahesh Dadoda 03/03/2023

Quant Time: Mar 03 01:03:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 00:58:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	127255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	194223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	168484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	178219	141.054	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 282.100%#			
35) Dibromofluoromethane	7.715	113	166851	142.348	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 284.700%#			
50) Toluene-d8	10.178	98	605833	141.382	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 282.760%#			
62) 4-Bromofluorobenzene	12.483	95	205627	142.172	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 284.340%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.905	85	173172	138.064	ug/l	98
3) Chloromethane	2.113	50	195126	130.128	ug/l	99
4) Vinyl Chloride	2.253	62	190823	138.777	ug/l	98
5) Bromomethane	2.625	94	110789	132.600	ug/l	93
6) Chloroethane	2.783	64	110805	134.555	ug/l	100
7) Trichlorofluoromethane	3.119	101	319200	139.770	ug/l	100
8) Diethyl Ether	3.527	74	114885	143.551	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	193194	140.607	ug/l	99
10) Methyl Iodide	4.088	142	267679	149.518	ug/l	99
11) Tert butyl alcohol	4.954	59	104441	759.892	ug/l	100
12) 1,1-Dichloroethene	3.869	96	189033	144.252	ug/l	96
13) Acrolein	3.728	56	164885	744.872	ug/l	100
14) Allyl chloride	4.478	41	362056	149.573	ug/l	99
15) Acrylonitrile	5.155	53	306688	727.296	ug/l	99
16) Acetone	3.942	43	371888	749.889	ug/l	98
17) Carbon Disulfide	4.192	76	629820	141.199	ug/l	100
18) Methyl Acetate	4.472	43	218310	147.822	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	510364	150.781	ug/l	99
20) Methylene Chloride	4.710	84	208463	148.316	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	200358	140.695	ug/l	99
22) Diisopropyl ether	6.118	45	633757	144.147	ug/l	97
23) Vinyl Acetate	6.057	43	2055488	752.435	ug/l	99
24) 1,1-Dichloroethane	6.014	63	358805	143.218	ug/l	98
25) 2-Butanone	6.984	43	458867	747.044	ug/l	97
26) 2,2-Dichloropropane	6.978	77	316527	142.252	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	222823	145.944	ug/l	99
28) Bromochloromethane	7.331	49	133121	145.400	ug/l	98
29) Tetrahydrofuran	7.343	42	277659	749.492	ug/l	99
30) Chloroform	7.502	83	351463	142.026	ug/l	99
31) Cyclohexane	7.782	56	339882	140.460	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	325299	145.359	ug/l	99
36) 1,1-Dichloropropene	7.917	75	288001	146.622	ug/l	100
37) Ethyl Acetate	7.075	43	183365	148.111	ug/l	98
38) Carbon Tetrachloride	7.898	117	300418	148.107	ug/l	100
39) Methylcyclohexane	9.185	83	359356	153.884	ug/l	97
40) Benzene	8.160	78	804880	144.859	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	102297m	157.603	ug/l	
42) 1,2-Dichloroethane	8.234	62	246619	147.633	ug/l	100
43) Isopropyl Acetate	8.270	43	344355	155.901	ug/l	99
44) Trichloroethene	8.941	130	213342	145.633	ug/l	95
45) 1,2-Dichloropropane	9.215	63	204578	145.688	ug/l	95
46) Dibromomethane	9.307	93	114981	143.728	ug/l	99
47) Bromodichloromethane	9.496	83	274431	145.571	ug/l	97
48) Methyl methacrylate	9.288	41	165394	162.509	ug/l	98
49) 1,4-Dioxane	9.300	88	32455	3138.222	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	916361	764.825	ug/l	99
52) Toluene	10.245	92	490740	146.450	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	301621	152.535	ug/l	98
54) cis-1,3-Dichloropropene	9.928	75	335158	149.748	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	156205	140.207	ug/l	98
56) Ethyl methacrylate	10.508	69	237191	159.667	ug/l	98
57) 1,3-Dichloropropane	10.788	76	276861	145.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	602944	773.160	ug/l	99
59) 2-Hexanone	10.831	43	675776	776.057	ug/l	99
60) Dibromochloromethane	10.983	129	194614	143.502	ug/l	100
61) 1,2-Dibromoethane	11.087	107	153962	143.460	ug/l	100
64) Tetrachloroethene	10.721	164	179296	146.163	ug/l	99
65) Chlorobenzene	11.520	112	515093	145.668	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	191060	146.019	ug/l	99
67) Ethyl Benzene	11.593	91	946680	152.274	ug/l	99
68) m/p-Xylenes	11.702	106	719090	300.668	ug/l	99
69) o-Xylene	12.032	106	339450	152.077	ug/l	99
70) Styrene	12.044	104	566644	152.125	ug/l	99
71) Bromoform	12.208	173	123878	145.206	ug/l #	98
73) Isopropylbenzene	12.330	105	887141	156.693	ug/l	100
74) N-amyl acetate	12.141	43	293626	164.832	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.580	83	186741	146.728	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	145060m	152.058	ug/l	
77) Bromobenzene	12.611	156	206859	150.399	ug/l	99
78) n-propylbenzene	12.672	91	1084821	155.414	ug/l	100
79) 2-Chlorotoluene	12.757	91	596402	153.733	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	723448	154.836	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	70891	153.974	ug/l	97
82) 4-Chlorotoluene	12.855	91	608119	151.429	ug/l	99
83) tert-Butylbenzene	13.074	119	622476	154.353	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	708733	155.122	ug/l	99
85) sec-Butylbenzene	13.257	105	934885	151.957	ug/l	99
86) p-Isopropyltoluene	13.367	119	767045	152.548	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	389501	146.832	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	392461	144.961	ug/l	99
89) n-Butylbenzene	13.696	91	739841	153.698	ug/l	100
90) Hexachloroethane	13.958	117	154564	147.588	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	349315	145.673	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.354	75	32294	157.006	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	230400	156.053	ug/l	98
94) Hexachlorobutadiene	15.110	225	129376	143.671	ug/l	99
95) Naphthalene	15.238	128	508876	171.997	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	203379	154.886	ug/l	99

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

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