

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030123\
 Data File : VY012750.D
 Acq On : 01 Mar 2023 16:56
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/02/2023
 Supervised By :Mahesh Dadoda 03/02/2023

Quant Time: Mar 02 02:05:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	106146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	160230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	144937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	73629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	54060	43.123	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.240%		
35) Dibromofluoromethane	7.716	113	54437	50.300	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.600%		
50) Toluene-d8	10.179	98	199142	49.116	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.240%		
62) 4-Bromofluorobenzene	12.483	95	67155	51.758	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.520%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	47269	43.315	ug/l	100
3) Chloromethane	2.113	50	52947	39.951	ug/l	96
4) Vinyl Chloride	2.253	62	51163	42.431	ug/l	97
5) Bromomethane	2.656	94	30025	45.467	ug/l	98
6) Chloroethane	2.796	64	32636	42.518	ug/l	99
7) Trichlorofluoromethane	3.125	101	91145	46.893	ug/l	100
8) Diethyl Ether	3.527	74	30350	43.614	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	57260	49.297	ug/l	100
10) Methyl Iodide	4.094	142	70474	46.337	ug/l	98
11) Tert butyl alcohol	4.948	59	25250	184.128	ug/l	99
12) 1,1-Dichloroethene	3.869	96	52127	46.486	ug/l	97
13) Acrolein	3.729	56	31252	180.372	ug/l	98
14) Allyl chloride	4.478	41	100647	46.247	ug/l	99
15) Acrylonitrile	5.161	53	82087	221.727	ug/l	98
16) Acetone	3.942	43	96102	234.930	ug/l	96
17) Carbon Disulfide	4.192	76	144324	38.247	ug/l	98
18) Methyl Acetate	4.478	43	53793	40.822	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	142611	47.280	ug/l	98
20) Methylene Chloride	4.716	84	63375	49.588	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	58340	47.830	ug/l	95
22) Diisopropyl ether	6.118	45	204201	50.283	ug/l	99
23) Vinyl Acetate	6.057	43	591233	235.066	ug/l	98
24) 1,1-Dichloroethane	6.015	63	112922	50.146	ug/l	99
25) 2-Butanone	6.984	43	114746	211.347	ug/l	98
26) 2,2-Dichloropropane	6.978	77	95543	48.639	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	65905	49.384	ug/l	96
28) Bromochloromethane	7.332	49	43295	48.014	ug/l	92
29) Tetrahydrofuran	7.344	42	67720	204.304	ug/l	97
30) Chloroform	7.502	83	107930	49.465	ug/l	91
31) Cyclohexane	7.783	56	91228	41.887	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	96313	48.760	ug/l	100
36) 1,1-Dichloropropene	7.917	75	80511	46.933	ug/l	99
37) Ethyl Acetate	7.069	43	44157	38.148	ug/l #	96
38) Carbon Tetrachloride	7.899	117	87222	49.173	ug/l	96
39) Methylcyclohexane	9.185	83	94936	47.975	ug/l	98
40) Benzene	8.161	78	237506	49.600	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	22638m	40.155	ug/l	
42) 1,2-Dichloroethane	8.234	62	69112	46.545	ug/l	100
43) Isopropyl Acetate	8.270	43	85124	42.556	ug/l	96
44) Trichloroethene	8.941	130	62128	50.183	ug/l	97
45) 1,2-Dichloropropane	9.215	63	61216	49.700	ug/l	95
46) Dibromomethane	9.301	93	32748	48.164	ug/l	97
47) Bromodichloromethane	9.496	83	81702	49.914	ug/l	99
48) Methyl methacrylate	9.289	41	40372	43.253	ug/l	98
49) 1,4-Dioxane	9.295	88	8135	785.594	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	232520	215.497	ug/l	99
52) Toluene	10.246	92	147472	51.978	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	84854	49.609	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	97219	50.230	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	47277	51.193	ug/l	97
56) Ethyl methacrylate	10.508	69	62626	49.656	ug/l	94
57) 1,3-Dichloropropane	10.788	76	79555	49.012	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	150655	225.340	ug/l	99
59) 2-Hexanone	10.831	43	168923	220.839	ug/l	97
60) Dibromochloromethane	10.983	129	57698	51.568	ug/l	100
61) 1,2-Dibromoethane	11.087	107	43685	49.374	ug/l	98
64) Tetrachloroethene	10.721	164	51995	49.326	ug/l	98
65) Chlorobenzene	11.520	112	157958	50.822	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	59404	51.573	ug/l	99
67) Ethyl Benzene	11.593	91	285314	51.356	ug/l	99
68) m/p-Xylenes	11.703	106	218984	103.329	ug/l	99
69) o-Xylene	12.026	106	103327	52.639	ug/l	99
70) Styrene	12.044	104	174836	53.141	ug/l	99
71) Bromoform	12.209	173	35869	48.802	ug/l #	99
73) Isopropylbenzene	12.331	105	281822	51.795	ug/l	100
74) N-amyl acetate	12.142	43	76091	42.541	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	55138	45.069	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	43922m	47.850	ug/l	
77) Bromobenzene	12.611	156	65367	50.138	ug/l	95
78) n-propylbenzene	12.672	91	345674	50.791	ug/l	99
79) 2-Chlorotoluene	12.757	91	188443	49.840	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	231777	50.995	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	19472	44.940	ug/l	96
82) 4-Chlorotoluene	12.855	91	195018	49.731	ug/l	99
83) tert-Butylbenzene	13.074	119	200340	51.619	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	226423	50.960	ug/l	99
85) sec-Butylbenzene	13.257	105	306003	51.820	ug/l	100
86) p-Isopropyltoluene	13.373	119	251954	51.808	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	128991	50.514	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	126274	48.764	ug/l	99
89) n-Butylbenzene	13.696	91	241145	51.776	ug/l	99
90) Hexachloroethane	13.965	117	51182	51.860	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	113429	49.737	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8192	40.736	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	70611	48.956	ug/l	98
94) Hexachlorobutadiene	15.111	225	42849	49.224	ug/l	99
95) Naphthalene	15.239	128	134322	46.089	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	60830	47.647	ug/l	99

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

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