

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030123\
 Data File : VY012741.D
 Acq On : 01 Mar 2023 10:31
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Mar 02 02:01:35 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	7.795	168	109742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	165755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	149811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	57820	44.611	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.220%		
35) Dibromofluoromethane	7.716	113	56467	50.437	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.880%		
50) Toluene-d8	10.179	98	207089	49.373	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.740%		
62) 4-Bromofluorobenzene	12.483	95	70057	52.195	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	50795	45.021	ug/l	98
3) Chloromethane	2.113	50	59010	43.378	ug/l	99
4) Vinyl Chloride	2.253	62	56588	45.392	ug/l	99
5) Bromomethane	2.656	94	33551	49.142	ug/l	98
6) Chloroethane	2.796	64	35063	44.184	ug/l	94
7) Trichlorofluoromethane	3.131	101	96605	48.074	ug/l	92
8) Diethyl Ether	3.534	74	34610	48.106	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.905	101	61200	50.962	ug/l	99
10) Methyl Iodide	4.094	142	79386	50.486	ug/l	98
11) Tert butyl alcohol	4.960	59	28606	201.765	ug/l	99
12) 1,1-Dichloroethene	3.875	96	56842	49.030	ug/l	99
13) Acrolein	3.729	56	41449	231.385	ug/l	99
14) Allyl chloride	4.485	41	100189	44.528	ug/l	98
15) Acrylonitrile	5.161	53	93120	243.286	ug/l	99
16) Acetone	3.948	43	123691	292.465	ug/l	96
17) Carbon Disulfide	4.198	76	153608	39.373	ug/l	99
18) Methyl Acetate	4.478	43	60878	44.685	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	155557	49.883	ug/l	100
20) Methylene Chloride	4.722	84	66550	50.473	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	62005	49.169	ug/l	90
22) Diisopropyl ether	6.118	45	204880	48.797	ug/l	96
23) Vinyl Acetate	6.064	43	621736	239.094	ug/l	97
24) 1,1-Dichloroethane	6.021	63	113827	48.891	ug/l	97
25) 2-Butanone	6.984	43	142703	254.227	ug/l	95
26) 2,2-Dichloropropane	6.984	77	99138	48.815	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	70528	51.116	ug/l	96
28) Bromochloromethane	7.332	49	45214	48.499	ug/l	88
29) Tetrahydrofuran	7.350	42	80219	234.082	ug/l	95
30) Chloroform	7.508	83	116111	51.471	ug/l	94
31) Cyclohexane	7.783	56	92722	41.177	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	101440	49.673	ug/l	99
36) 1,1-Dichloropropene	7.917	75	85202	48.012	ug/l	98
37) Ethyl Acetate	7.069	43	51835	43.288	ug/l #	95
38) Carbon Tetrachloride	7.905	117	93523	50.968	ug/l	99
39) Methylcyclohexane	9.185	83	99131	48.425	ug/l	97
40) Benzene	8.161	78	253625	51.200	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	27531m	47.206	ug/l	
42) 1,2-Dichloroethane	8.240	62	74998	48.826	ug/l	99
43) Isopropyl Acetate	8.270	43	97325	47.034	ug/l	96
44) Trichloroethene	8.941	130	66816	52.171	ug/l	96
45) 1,2-Dichloropropane	9.215	63	66047	51.835	ug/l	97
46) Dibromomethane	9.307	93	37279	53.000	ug/l	97
47) Bromodichloromethane	9.496	83	88720	52.395	ug/l	98
48) Methyl methacrylate	9.295	41	46351	48.003	ug/l	97
49) 1,4-Dioxane	9.301	88	9139	851.871	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	273955	245.435	ug/l	97
52) Toluene	10.246	92	157809	53.768	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	93947	53.094	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	105623	52.753	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	52234	54.675	ug/l	95
56) Ethyl methacrylate	10.514	69	71300	54.649	ug/l	94
57) 1,3-Dichloropropane	10.794	76	88910	52.950	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	165119	239.031	ug/l	97
59) 2-Hexanone	10.831	43	209896	265.257	ug/l	97
60) Dibromochloromethane	10.983	129	64013	55.305	ug/l	99
61) 1,2-Dibromoethane	11.093	107	49536	54.121	ug/l	98
64) Tetrachloroethene	10.721	164	56523	51.877	ug/l	98
65) Chlorobenzene	11.520	112	170361	53.030	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	64995	54.592	ug/l	99
67) Ethyl Benzene	11.593	91	305646	53.226	ug/l	99
68) m/p-Xylenes	11.703	106	233784	106.723	ug/l	98
69) o-Xylene	12.032	106	111296	54.854	ug/l	99
70) Styrene	12.044	104	190329	55.968	ug/l	98
71) Bromoform	12.209	173	41275	54.330	ug/l #	99
73) Isopropylbenzene	12.331	105	298685	52.386	ug/l	100
74) N-amyl acetate	12.148	43	88560	47.250	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	64979	50.686	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	43111m	44.820	ug/l	
77) Bromobenzene	12.611	156	69996	51.235	ug/l	96
78) n-propylbenzene	12.672	91	368665	51.693	ug/l	99
79) 2-Chlorotoluene	12.757	91	203259	51.301	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	246101	51.672	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	23503	51.765	ug/l	93
82) 4-Chlorotoluene	12.855	91	209561	50.997	ug/l	98
83) tert-Butylbenzene	13.075	119	213765	52.561	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	241581	51.887	ug/l	99
85) sec-Butylbenzene	13.257	105	326432	52.754	ug/l	100
86) p-Isopropyltoluene	13.373	119	269683	52.920	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	140450	52.488	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	137581	50.702	ug/l	100
89) n-Butylbenzene	13.696	91	256792	52.616	ug/l	100
90) Hexachloroethane	13.965	117	54518	52.715	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	125013	52.311	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10248	48.631	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	78119	51.686	ug/l	98
94) Hexachlorobutadiene	15.111	225	47071	51.603	ug/l	99
95) Naphthalene	15.239	128	160011	52.394	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	70624	52.790	ug/l	96

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

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