

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032723\
 Data File : VY013085.D
 Acq On : 27 Mar 2023 12:01
 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 03/28/2023
 Supervised By :Mahesh Dadoda 03/28/2023

Quant Time: Mar 27 16:17:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	113123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	171500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	151846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	51649	45.985	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.980%		
35) Dibromofluoromethane	7.716	113	54910	53.053	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.100%		
50) Toluene-d8	10.179	98	168545	44.544	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.080%		
62) 4-Bromofluorobenzene	12.483	95	65797	51.520	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	54680	49.041	ug/l	99
3) Chloromethane	2.113	50	59553	44.677	ug/l	100
4) Vinyl Chloride	2.253	62	59414	48.607	ug/l	98
5) Bromomethane	2.649	94	37331	50.262	ug/l	92
6) Chloroethane	2.796	64	37261	50.900	ug/l	95
7) Trichlorofluoromethane	3.125	101	95269	46.927	ug/l	97
8) Diethyl Ether	3.533	74	33243	46.727	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	56800	46.504	ug/l	98
10) Methyl Iodide	4.088	142	78411	49.270	ug/l	99
11) Tert butyl alcohol	4.948	59	27719	211.494	ug/l	100
12) 1,1-Dichloroethene	3.875	96	54655	46.918	ug/l	93
13) Acrolein	3.729	56	31658	160.882	ug/l	99
14) Allyl chloride	4.478	41	110363	51.288	ug/l	99
15) Acrylonitrile	5.161	53	88780	236.839	ug/l	99
16) Acetone	3.942	43	111632	253.220	ug/l	99
17) Carbon Disulfide	4.198	76	180071	45.413	ug/l	99
18) Methyl Acetate	4.472	43	62267	47.429	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	150486	50.013	ug/l	99
20) Methylene Chloride	4.716	84	73993	55.605	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	63437	50.112	ug/l	96
22) Diisopropyl ether	6.118	45	214048	54.767	ug/l	99
23) Vinyl Acetate	6.057	43	636578	262.138	ug/l	98
24) 1,1-Dichloroethane	6.021	63	117313	52.675	ug/l	99
25) 2-Butanone	6.984	43	132535	242.725	ug/l	95
26) 2,2-Dichloropropane	6.978	77	101227	51.176	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	70924	52.257	ug/l	99
28) Bromochloromethane	7.332	49	38508	47.314	ug/l	98
29) Tetrahydrofuran	7.350	42	77469	235.238	ug/l	98
30) Chloroform	7.508	83	116642	53.023	ug/l	100
31) Cyclohexane	7.783	56	101180	47.037	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	103602	52.078	ug/l	98
36) 1,1-Dichloropropene	7.917	75	88997	51.312	ug/l	100
37) Ethyl Acetate	7.075	43	52728	48.233	ug/l	99
38) Carbon Tetrachloride	7.899	117	93364	52.127	ug/l	96
39) Methylcyclohexane	9.185	83	105148	50.993	ug/l	97
40) Benzene	8.161	78	258771	52.743	ug/l	100

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Quant Title : SW846 8260

QLast Update : Fri Mar 03 01:13:13 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	28359m	48.149	ug/l	
42) 1,2-Dichloroethane	8.240	62	76277	51.712	ug/l	100
43) Isopropyl Acetate	8.270	43	95581	49.006	ug/l	99
44) Trichloroethene	8.941	130	68663	53.081	ug/l	98
45) 1,2-Dichloropropane	9.215	63	66272	53.448	ug/l	100
46) Dibromomethane	9.307	93	36573	51.774	ug/l	99
47) Bromodichloromethane	9.496	83	88438	53.127	ug/l	97
48) Methyl methacrylate	9.295	41	44628	49.659	ug/l	99
49) 1,4-Dioxane	9.295	88	9283	1016.546	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	266111	251.533	ug/l	98
52) Toluene	10.246	92	158223	53.474	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	89876	51.474	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	104190	52.720	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	48356	49.154	ug/l	97
56) Ethyl methacrylate	10.508	69	64631	49.271	ug/l	95
57) 1,3-Dichloropropane	10.788	76	84382	50.360	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	169181	245.686	ug/l	98
59) 2-Hexanone	10.831	43	193185	251.247	ug/l	97
60) Dibromochloromethane	10.983	129	60331	50.380	ug/l	99
61) 1,2-Dibromoethane	11.087	107	47601	50.231	ug/l	98
64) Tetrachloroethene	10.721	164	54621	49.406	ug/l	98
65) Chlorobenzene	11.520	112	168689	52.932	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	63694	54.013	ug/l	99
67) Ethyl Benzene	11.593	91	302738	54.031	ug/l	100
68) m/p-Xylenes	11.703	106	232893	108.048	ug/l	100
69) o-Xylene	12.032	106	111089	55.222	ug/l	97
70) Styrene	12.044	104	185624	55.294	ug/l	99
71) Bromoform	12.209	173	39130	50.893	ug/l #	98
73) Isopropylbenzene	12.331	105	293446	52.430	ug/l	100
74) N-amyl acetate	12.142	43	82751	46.991	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	61203	48.645	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	46427m	49.229	ug/l	
77) Bromobenzene	12.611	156	69565	51.163	ug/l	98
78) n-propylbenzene	12.672	91	360609	52.259	ug/l	100
79) 2-Chlorotoluene	12.757	91	201491	52.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	242941	52.597	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	21169	46.510	ug/l	97
82) 4-Chlorotoluene	12.855	91	204672	51.555	ug/l	100
83) tert-Butylbenzene	13.074	119	209286	52.496	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	239887	53.112	ug/l	100
85) sec-Butylbenzene	13.257	105	319662	52.559	ug/l	99
86) p-Isopropyltoluene	13.367	119	262162	52.741	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	137357	52.379	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	134529	50.265	ug/l	99
89) n-Butylbenzene	13.696	91	243489	51.168	ug/l	100
90) Hexachloroethane	13.965	117	53252	51.436	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	121678	51.329	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9285	45.663	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	72304	49.539	ug/l	99
94) Hexachlorobutadiene	15.111	225	44287	49.749	ug/l	99
95) Naphthalene	15.239	128	136559	46.690	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	63197	48.685	ug/l	98

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

