

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030623\
 Data File : VY012812.D
 Acq On : 06 Mar 2023 10:21
 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

03/07/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Mar 06 14:13:21 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	116271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	176375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	156809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78611	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	51128	44.289	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.580%
35) Dibromofluoromethane	7.716	113	50737	47.666	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.340%
50) Toluene-d8	10.179	98	182693	46.949	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.900%
62) 4-Bromofluorobenzene	12.483	95	62283	47.421	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.840%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	55349	48.297	ug/l	98
3) Chloromethane	2.113	50	64887	47.360	ug/l	100
4) Vinyl Chloride	2.253	62	63049	50.185	ug/l	98
5) Bromomethane	2.656	94	38539	50.484	ug/l	90
6) Chloroethane	2.796	64	38403	51.040	ug/l	97
7) Trichlorofluoromethane	3.131	101	103135	49.426	ug/l	99
8) Diethyl Ether	3.528	74	34374	47.009	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	61746	49.184	ug/l	98
10) Methyl Iodide	4.095	142	85003	51.966	ug/l	98
11) Tert butyl alcohol	4.948	59	29709	221.478	ug/l	97
12) 1,1-Dichloroethene	3.875	96	60438	50.477	ug/l	96
13) Acrolein	3.729	56	47874	236.703	ug/l	99
14) Allyl chloride	4.479	41	103972	47.010	ug/l	97
15) Acrylonitrile	5.161	53	89233	231.603	ug/l	99
16) Acetone	3.948	43	130027	286.960	ug/l	98
17) Carbon Disulfide	4.198	76	197090	48.360	ug/l	99
18) Methyl Acetate	4.479	43	57772	42.814	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	154913	50.091	ug/l	98
20) Methylene Chloride	4.723	84	68862	49.779	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	66651	51.225	ug/l	96
22) Diisopropyl ether	6.119	45	191111	47.574	ug/l	96
23) Vinyl Acetate	6.058	43	587152	235.238	ug/l	98
24) 1,1-Dichloroethane	6.015	63	110599	48.316	ug/l	99
25) 2-Butanone	6.984	43	139009	247.688	ug/l	99
26) 2,2-Dichloropropane	6.984	77	98964	48.677	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	70542	50.568	ug/l	98
28) Bromochloromethane	7.332	49	39167	46.821	ug/l	93
29) Tetrahydrofuran	7.350	42	73265	216.449	ug/l	98
30) Chloroform	7.509	83	113058	50.003	ug/l	98
31) Cyclohexane	7.783	56	101405	45.865	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	100840	49.317	ug/l	99
36) 1,1-Dichloropropene	7.917	75	89466	50.157	ug/l	99
37) Ethyl Acetate	7.076	43	50283	44.725	ug/l	100
38) Carbon Tetrachloride	7.905	117	94752	51.440	ug/l	98
39) Methylcyclohexane	9.185	83	107781	50.825	ug/l	99
40) Benzene	8.161	78	254800	50.498	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	26173m	43.210	ug/l	
42) 1,2-Dichloroethane	8.234	62	73591	48.512	ug/l	99
43) Isopropyl Acetate	8.271	43	90332	45.035	ug/l	97
44) Trichloroethene	8.941	130	68179	51.250	ug/l	99
45) 1,2-Dichloropropane	9.216	63	62058	48.666	ug/l	98
46) Dibromomethane	9.307	93	36467	50.197	ug/l	99
47) Bromodichloromethane	9.496	83	85497	49.941	ug/l	96
48) Methyl methacrylate	9.295	41	42729	46.232	ug/l	98
49) 1,4-Dioxane	9.301	88	8720	928.501	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	247866	227.812	ug/l	99
52) Toluene	10.246	92	158996	52.250	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	89936	50.085	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	102405	50.384	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	50047	49.467	ug/l	97
56) Ethyl methacrylate	10.508	69	66372	49.200	ug/l	98
57) 1,3-Dichloropropane	10.789	76	85082	49.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	174961	247.057	ug/l	98
59) 2-Hexanone	10.831	43	197714	250.030	ug/l	98
60) Dibromochloromethane	10.984	129	61948	50.301	ug/l	100
61) 1,2-Dibromoethane	11.087	107	47853	49.101	ug/l	99
64) Tetrachloroethene	10.721	164	58050	50.846	ug/l	98
65) Chlorobenzene	11.520	112	167740	50.969	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	62608	51.411	ug/l	99
67) Ethyl Benzene	11.593	91	302403	52.263	ug/l	100
68) m/p-Xylenes	11.703	106	234042	105.144	ug/l	99
69) o-Xylene	12.032	106	109872	52.889	ug/l	98
70) Styrene	12.044	104	185268	53.441	ug/l	99
71) Bromoform	12.209	173	39578	49.846	ug/l #	99
73) Isopropylbenzene	12.331	105	293095	52.609	ug/l	99
74) N-amyl acetate	12.142	43	80297	45.808	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	60424	48.248	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	46116m	49.125	ug/l	
77) Bromobenzene	12.611	156	69529	51.372	ug/l	96
78) n-propylbenzene	12.672	91	361640	52.650	ug/l	99
79) 2-Chlorotoluene	12.758	91	197002	51.605	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	243808	53.028	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	21704	47.906	ug/l	97
82) 4-Chlorotoluene	12.855	91	202405	51.220	ug/l	100
83) tert-Butylbenzene	13.075	119	208535	52.549	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	239897	53.359	ug/l	99
85) sec-Butylbenzene	13.258	105	316573	52.291	ug/l	99
86) p-Isopropyltoluene	13.373	119	263070	53.168	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	135641	51.963	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	134396	50.447	ug/l	98
89) n-Butylbenzene	13.697	91	247485	52.248	ug/l	100
90) Hexachloroethane	13.965	117	53027	51.456	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	121173	51.352	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9316	46.027	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	73307	50.458	ug/l	98
94) Hexachlorobutadiene	15.117	225	44747	50.498	ug/l	98
95) Naphthalene	15.239	128	144952	49.788	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	64751	50.112	ug/l	99

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

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

