

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014372.D
 Acq On : 22 Jun 2023 09:14
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 12.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/22/2023
 Supervised By :Mahesh Dadoda 06/22/2023

Quant Time: Jun 22 09:26:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	194949	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	301720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	291565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	162937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	137258	50.561	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.120%			
35) Dibromofluoromethane	7.728	113	117602	54.961	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.920%			
50) Toluene-d8	10.185	98	402488	50.314	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.620%			
62) 4-Bromofluorobenzene	12.483	95	167629	58.989	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	85581	39.390	ug/l	97
3) Chloromethane	2.119	50	100240	36.386	ug/l	97
4) Vinyl Chloride	2.260	62	104291	38.938	ug/l	98
5) Bromomethane	2.644	94	86203	39.007	ug/l	98
6) Chloroethane	2.796	64	71071	39.050	ug/l	100
7) Trichlorofluoromethane	3.131	101	200151	45.998	ug/l	95
8) Diethyl Ether	3.540	74	64251	44.221	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.906	101	99940	45.509	ug/l	99
10) Methyl Iodide	4.101	142	105969	36.544	ug/l	96
11) Tert butyl alcohol	4.973	59	76463	242.702	ug/l #	82
12) 1,1-Dichloroethene	3.881	96	95378	42.850	ug/l	97
14) Allyl chloride	4.491	41	165500	41.019	ug/l	98
15) Acrylonitrile	5.180	53	184458	246.132	ug/l	100
16) Acetone	3.960	43	157102	191.987	ug/l	97
17) Carbon Disulfide	4.204	76	290243	40.240	ug/l	98
18) Methyl Acetate	4.485	43	203500	64.070	ug/l	97
19) Methyl tert-butyl Ether	5.235	73	308670	47.018	ug/l	98
20) Methylene Chloride	4.729	84	160820	62.453	ug/l	96
21) trans-1,2-Dichloroethene	5.235	96	112902	45.477	ug/l	99
22) Diisopropyl ether	6.131	45	354568	45.898	ug/l	96
23) Vinyl Acetate	6.076	43	871051	191.104	ug/l	98
24) 1,1-Dichloroethane	6.033	63	202046	45.362	ug/l	98
25) 2-Butanone	6.997	43	250065	248.257	ug/l	99
26) 2,2-Dichloropropane	6.990	77	162831	38.923	ug/l	100
27) cis-1,2-Dichloroethene	7.003	96	131888	47.489	ug/l	98
28) Bromochloromethane	7.344	49	79669	43.984	ug/l	93
29) Tetrahydrofuran	7.362	42	163439	255.881	ug/l	96
30) Chloroform	7.515	83	228433	48.342	ug/l	96
31) Cyclohexane	7.795	56	160955	44.260	ug/l	98
32) 1,1,1-Trichloroethane	7.716	97	206576	48.471	ug/l	100
36) 1,1-Dichloropropene	7.929	75	158581	47.538	ug/l	98
37) Ethyl Acetate	7.088	43	100354	43.600	ug/l	96
38) Carbon Tetrachloride	7.911	117	192022	49.882	ug/l	97
39) Methylcyclohexane	9.191	83	171915	46.449	ug/l	98
40) Benzene	8.167	78	468065	47.186	ug/l	98
41) Methacrylonitrile	7.326	41	47774m	40.670	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.246	62	167089	47.634	ug/l	100
43) Isopropyl Acetate	8.283	43	185627	46.014	ug/l	98
44) Trichloroethene	8.947	130	128016	48.303	ug/l	96
45) 1,2-Dichloropropane	9.228	63	115915	46.006	ug/l	99
46) Dibromomethane	9.313	93	74005	47.716	ug/l	100
47) Bromodichloromethane	9.502	83	176936	48.724	ug/l	99
48) Methyl methacrylate	9.301	41	93276	49.573	ug/l	97
49) 1,4-Dioxane	9.301	88	21501	1091.037	ug/l #	48
51) 4-Methyl-2-Pentanone	10.075	43	562590	256.691	ug/l	98
52) Toluene	10.252	92	301195	48.982	ug/l	99
53) t-1,3-Dichloropropene	10.472	75	174656	45.688	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	185579	44.493	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	101539	49.360	ug/l	97
56) Ethyl methacrylate	10.514	69	142170	50.106	ug/l	93
57) 1,3-Dichloropropane	10.795	76	169233	48.101	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	552907	414.787	ug/l	97
59) 2-Hexanone	10.837	43	393636	248.668	ug/l	100
60) Dibromochloromethane	10.990	129	132665	50.387	ug/l	98
61) 1,2-Dibromoethane	11.093	107	98946	48.737	ug/l	99
64) Tetrachloroethene	10.728	164	142938	57.516	ug/l	97
65) Chlorobenzene	11.520	112	328183	46.844	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	131923	47.875	ug/l	99
67) Ethyl Benzene	11.599	91	592152	48.288	ug/l	98
68) m/p-Xylenes	11.709	106	454734	96.406	ug/l	98
69) o-Xylene	12.032	106	219070	49.124	ug/l	99
70) Styrene	12.051	104	376419	49.456	ug/l	99
71) Bromoform	12.209	173	94449	50.048	ug/l #	99
73) Isopropylbenzene	12.337	105	578847	46.569	ug/l	100
74) N-amyl acetate	12.148	43	147044	37.331	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	124206	44.720	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	95271m	44.567	ug/l	
77) Bromobenzene	12.611	156	147220	45.064	ug/l	97
78) n-propylbenzene	12.672	91	709954	46.763	ug/l	100
79) 2-Chlorotoluene	12.764	91	407214	46.615	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	502872	47.249	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	39319	39.759	ug/l	99
82) 4-Chlorotoluene	12.861	91	423287	45.725	ug/l	99
83) tert-Butylbenzene	13.081	119	425215	47.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	506066	48.035	ug/l	99
85) sec-Butylbenzene	13.258	105	620913	47.220	ug/l	100
86) p-Isopropyltoluene	13.373	119	518151	46.043	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	284908	45.676	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	283969	45.185	ug/l	100
89) n-Butylbenzene	13.697	91	477842	45.780	ug/l	99
90) Hexachloroethane	13.965	117	107066	47.745	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	261052	46.598	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	25555	48.317	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	155430	43.797	ug/l	98
94) Hexachlorobutadiene	15.117	225	93860	45.810	ug/l	97
95) Naphthalene	15.239	128	340138	47.219	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	144204	44.967	ug/l	99

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

