

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009021.D
 Acq On : 23 May 2022 21:18
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 24 01:51:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	108714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	179781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	186522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	49737	44.453	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.900%		
35) Dibromofluoromethane	7.710	113	52193	46.686	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.380%		
50) Toluene-d8	10.179	98	174545	42.321	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	84.640%		
62) 4-Bromofluorobenzene	12.477	95	93113	55.968	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	111.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	52638	52.939	ug/l	99
3) Chloromethane	2.107	50	87695	61.562	ug/l	100
4) Vinyl Chloride	2.247	62	130290	61.736	ug/l	99
5) Bromomethane	2.637	94	104519	50.523	ug/l	98
6) Chloroethane	2.790	64	90156	60.300	ug/l	99
7) Trichlorofluoromethane	3.119	101	97392	54.341	ug/l	92
8) Diethyl Ether	3.521	74	28908	51.584	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.887	101	58470	53.082	ug/l	93
10) Methyl Iodide	4.082	142	63736	56.036	ug/l	93
11) Tert butyl alcohol	4.948	59	26260	231.387	ug/l #	93
12) 1,1-Dichloroethene	3.863	96	54118	52.925	ug/l	85
13) Acrolein	3.723	56	4489	120.168	ug/l	98
14) Allyl chloride	4.473	41	81964	53.189	ug/l #	87
15) Acrylonitrile	5.155	53	81324	259.179	ug/l	98
16) Acetone	3.942	43	58467	251.039	ug/l	94
17) Carbon Disulfide	4.186	76	174920	52.361	ug/l	98
18) Methyl Acetate	4.473	43	38973	53.738	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	159636	52.013	ug/l	94
20) Methylene Chloride	4.710	84	71246	55.673	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	69046	52.608	ug/l #	82
22) Diisopropyl ether	6.112	45	200304	54.104	ug/l #	95
23) Vinyl Acetate	6.058	43	672381	274.562	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	117491	53.059	ug/l	97
25) 2-Butanone	6.984	43	109365	262.906	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	101715	49.866	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	77564	52.426	ug/l	89
28) Bromochloromethane	7.326	49	41034	53.989	ug/l #	88
29) Tetrahydrofuran	7.344	42	75710	267.934	ug/l #	85
30) Chloroform	7.502	83	126614	52.970	ug/l	100
31) Cyclohexane	7.777	56	110605	50.531	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	114756	52.918	ug/l	99
36) 1,1-Dichloropropene	7.917	75	99453	52.274	ug/l	97
37) Ethyl Acetate	7.070	43	52178	52.871	ug/l	97
38) Carbon Tetrachloride	7.893	117	103517	52.012	ug/l	98
39) Methylcyclohexane	9.179	83	130607	53.184	ug/l	91
40) Benzene	8.155	78	292953	53.398	ug/l	98

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41) Methacrylonitrile	7.320	41	29255m	57.445	ug/l	
42) 1,2-Dichloroethane	8.234	62	87154	54.100	ug/l	94
43) Isopropyl Acetate	8.271	43	102010	55.590	ug/l #	93
44) Trichloroethene	8.935	130	76109	52.394	ug/l	100
45) 1,2-Dichloropropane	9.216	63	72464	55.009	ug/l	98
46) Dibromomethane	9.301	93	45180	53.938	ug/l	92
47) Bromodichloromethane	9.490	83	104238	54.452	ug/l	98
48) Methyl methacrylate	9.289	41	46092	56.251	ug/l #	86
49) 1,4-Dioxane	9.295	88	12211	1090.544	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	291450	286.980	ug/l	94
52) Toluene	10.240	92	209818	54.726	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	111432	54.815	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	118327	54.145	ug/l	89
55) 1,1,2-Trichloroethane	10.642	97	62847	53.629	ug/l	99
56) Ethyl methacrylate	10.508	69	83802	55.934	ug/l	87
57) 1,3-Dichloropropane	10.788	76	105608	55.245	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	167891	259.017	ug/l	97
59) 2-Hexanone	10.831	43	200166	287.869	ug/l	89
60) Dibromochloromethane	10.984	129	77047	54.237	ug/l	99
61) 1,2-Dibromoethane	11.087	107	62324	53.670	ug/l	100
64) Tetrachloroethene	10.715	164	69789	51.405	ug/l	98
65) Chlorobenzene	11.514	112	222487	51.970	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	82973	52.930	ug/l	96
67) Ethyl Benzene	11.593	91	416786	54.022	ug/l	98
68) m/p-Xylenes	11.703	106	351062	112.090	ug/l	91
69) o-Xylene	12.026	106	163476	56.208	ug/l	90
70) Styrene	12.044	104	288368	57.655	ug/l	94
71) Bromoform	12.203	173	57662	55.489	ug/l #	97
73) Isopropylbenzene	12.325	105	443755	47.680	ug/l	99
74) N-amyl acetate	12.142	43	111701	52.018	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	88905	46.372	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	62053m	46.425	ug/l	
77) Bromobenzene	12.605	156	100090	46.393	ug/l	94
78) n-propylbenzene	12.666	91	560218	52.099	ug/l	99
79) 2-Chlorotoluene	12.758	91	302230	48.727	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	393687	50.467	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	30891	47.435	ug/l	85
82) 4-Chlorotoluene	12.849	91	338485	51.023	ug/l	96
83) tert-Butylbenzene	13.075	119	349998	50.571	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	403841	52.149	ug/l	98
85) sec-Butylbenzene	13.251	105	522798	49.372	ug/l	99
86) p-Isopropyltoluene	13.367	119	465292	52.693	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	235360	51.141	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	234488	50.715	ug/l	98
89) n-Butylbenzene	13.696	91	421920	52.228	ug/l	100
90) Hexachloroethane	13.959	117	81793	49.428	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	207160	50.993	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13584	45.637	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	101079	45.335	ug/l	99
94) Hexachlorobutadiene	15.111	225	55587	45.744	ug/l	98
95) Naphthalene	15.233	128	210203	46.931	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	88204	45.525	ug/l	98

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

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