

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY009047.D
 Acq On : 24 May 2022 07:48
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: May 24 08:14:00 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	116820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	203065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	206720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	134397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	53756	44.711	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.420%		
35) Dibromofluoromethane	7.722	113	58313	46.180	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.360%		
50) Toluene-d8	10.179	98	193726	41.586	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	83.180%		
62) 4-Bromofluorobenzene	12.477	95	100729	53.603	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	107.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	54921	51.402	ug/l	97
3) Chloromethane	2.113	50	88129	57.574	ug/l	95
4) Vinyl Chloride	2.247	62	121302	53.489	ug/l	98
5) Bromomethane	2.644	94	102304	46.021	ug/l	98
6) Chloroethane	2.790	64	83795	52.157	ug/l	99
7) Trichlorofluoromethane	3.125	101	95483	49.579	ug/l	92
8) Diethyl Ether	3.528	74	33979	56.425	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.893	101	58872	49.738	ug/l	95
10) Methyl Iodide	4.088	142	75621	61.872	ug/l	92
11) Tert butyl alcohol	4.948	59	31785	260.636	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	58754	53.472	ug/l	88
13) Acrolein	3.729	56	4418	110.061	ug/l	98
14) Allyl chloride	4.479	41	89718	54.181	ug/l #	87
15) Acrylonitrile	5.161	53	96798	287.088	ug/l	98
16) Acetone	3.942	43	68422	273.398	ug/l	96
17) Carbon Disulfide	4.192	76	189694	52.844	ug/l	98
18) Methyl Acetate	4.479	43	50633	64.971	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	185744	56.320	ug/l	96
20) Methylene Chloride	4.716	84	82570	60.800	ug/l #	80
21) trans-1,2-Dichloroethene	5.216	96	76411	54.180	ug/l #	80
22) Diisopropyl ether	6.119	45	227728	57.244	ug/l #	94
23) Vinyl Acetate	6.058	43	752485	285.951	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	133875	56.263	ug/l	99
25) 2-Butanone	6.984	43	129386	289.453	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	95768	43.692	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	86412	54.353	ug/l	88
28) Bromochloromethane	7.332	49	44777	54.826	ug/l #	88
29) Tetrahydrofuran	7.344	42	90001	296.408	ug/l #	86
30) Chloroform	7.502	83	141761	55.192	ug/l	99
31) Cyclohexane	7.783	56	116087	49.355	ug/l	89
32) 1,1,1-Trichloroethane	7.704	97	125665	53.927	ug/l	98
36) 1,1-Dichloropropene	7.917	75	107357	49.958	ug/l	97
37) Ethyl Acetate	7.076	43	60587	54.352	ug/l	97
38) Carbon Tetrachloride	7.899	117	112032	49.836	ug/l	98
39) Methylcyclohexane	9.179	83	137488	49.566	ug/l	90
40) Benzene	8.161	78	330874	53.395	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	31333m	54.471	ug/l	
42) 1,2-Dichloroethane	8.234	62	99507	54.686	ug/l	94
43) Isopropyl Acetate	8.271	43	117834	56.850	ug/l #	93
44) Trichloroethene	8.935	130	85916	52.363	ug/l	96
45) 1,2-Dichloropropane	9.216	63	81971	55.091	ug/l	95
46) Dibromomethane	9.307	93	50821	53.716	ug/l	93
47) Bromodichloromethane	9.496	83	115997	53.647	ug/l	98
48) Methyl methacrylate	9.289	41	54191	58.552	ug/l #	87
49) 1,4-Dioxane	9.301	88	14171	1120.472	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	338624	295.198	ug/l	91
52) Toluene	10.246	92	233552	53.932	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	121232	52.798	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	128047	51.874	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	71254	53.831	ug/l	97
56) Ethyl methacrylate	10.508	69	97196	57.435	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	120709	55.904	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	197246	269.413	ug/l	97
59) 2-Hexanone	10.831	43	235733	300.146	ug/l	89
60) Dibromochloromethane	10.984	129	87203	54.348	ug/l	100
61) 1,2-Dibromoethane	11.087	107	71747	54.700	ug/l	99
64) Tetrachloroethene	10.715	164	75755	50.348	ug/l	97
65) Chlorobenzene	11.514	112	247011	52.060	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	92869	53.455	ug/l	96
67) Ethyl Benzene	11.593	91	460085	53.807	ug/l	97
68) m/p-Xylenes	11.703	106	389377	112.176	ug/l	91
69) o-Xylene	12.026	106	179479	55.681	ug/l	92
70) Styrene	12.044	104	320098	57.745	ug/l	94
71) Bromoform	12.209	173	65384	56.772	ug/l #	98
73) Isopropylbenzene	12.331	105	489446	48.704	ug/l	100
74) N-amyl acetate	12.142	43	122656	52.900	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	100390	48.494	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	73909m	51.210	ug/l	
77) Bromobenzene	12.611	156	111746	47.969	ug/l	95
78) n-propylbenzene	12.672	91	604661	52.078	ug/l	100
79) 2-Chlorotoluene	12.758	91	336617	50.262	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	431031	51.172	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	31551	44.870	ug/l	86
82) 4-Chlorotoluene	12.855	91	368255	51.409	ug/l	96
83) tert-Butylbenzene	13.075	119	374014	50.049	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	435174	52.043	ug/l	97
85) sec-Butylbenzene	13.251	105	582418	50.939	ug/l	100
86) p-Isopropyltoluene	13.367	119	496818	52.107	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	251834	50.678	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	250073	50.090	ug/l	99
89) n-Butylbenzene	13.696	91	438995	50.327	ug/l	100
90) Hexachloroethane	13.959	117	87267	48.840	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	225034	51.301	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15556	48.401	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	110171	45.763	ug/l	99
94) Hexachlorobutadiene	15.111	225	58072	44.258	ug/l	98
95) Naphthalene	15.239	128	240575	49.744	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	97662	46.683	ug/l	99

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

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