

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052422\
 Data File : VY009078.D
 Acq On : 24 May 2022 21:33
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/27/2022
 Supervised By :Mahesh Dadoda 05/31/2022

Quant Time: May 25 02:58:12 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	91597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	159503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	43927	46.597	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.200%
35) Dibromofluoromethane	7.716	113	44563	47.121	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.240%
50) Toluene-d8	10.179	98	146585	42.015	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.020%
62) 4-Bromofluorobenzene	12.483	95	77677	55.192	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	110.380%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	43654	52.108	ug/l	97
3) Chloromethane	2.113	50	73029	60.847	ug/l	98
4) Vinyl Chloride	2.247	62	103176	58.025	ug/l	100
5) Bromomethane	2.644	94	92308	52.959	ug/l	98
6) Chloroethane	2.790	64	71814	57.008	ug/l	97
7) Trichlorofluoromethane	3.125	101	78488	51.977	ug/l	94
8) Diethyl Ether	3.528	74	25466	53.934	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.893	101	48257	51.997	ug/l	94
10) Methyl Iodide	4.088	142	43233	45.113	ug/l	92
11) Tert butyl alcohol	4.948	59	23514	245.909	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	44905	52.122	ug/l	84
13) Acrolein	3.729	56	3199	101.639	ug/l	94
14) Allyl chloride	4.479	41	65239	50.247	ug/l #	83
15) Acrylonitrile	5.161	53	69715	263.700	ug/l	99
16) Acetone	3.942	43	52080	265.403	ug/l	95
17) Carbon Disulfide	4.192	76	146723	52.128	ug/l	100
18) Methyl Acetate	4.479	43	31968	52.316	ug/l #	87
19) Methyl tert-butyl Ether	5.222	73	135879	52.546	ug/l	94
20) Methylene Chloride	4.716	84	59348	54.933	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	55177	49.897	ug/l	86
22) Diisopropyl ether	6.119	45	166029	53.227	ug/l #	97
23) Vinyl Acetate	6.058	43	561896	272.324	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	96309	51.621	ug/l	98
25) 2-Butanone	6.984	43	95087	271.299	ug/l #	85
26) 2,2-Dichloropropane	6.978	77	83443	48.553	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	63559	50.988	ug/l	88
28) Bromochloromethane	7.332	49	34068	53.200	ug/l #	92
29) Tetrahydrofuran	7.344	42	65952	277.017	ug/l #	88
30) Chloroform	7.502	83	104547	51.912	ug/l	98
31) Cyclohexane	7.783	56	87390	47.386	ug/l	89
32) 1,1,1-Trichloroethane	7.698	97	92359	50.549	ug/l	98
36) 1,1-Dichloropropene	7.917	75	81715	50.772	ug/l	99
37) Ethyl Acetate	7.070	43	45025	53.931	ug/l	97
38) Carbon Tetrachloride	7.899	117	84397	50.128	ug/l	97
39) Methylcyclohexane	9.179	83	102546	49.362	ug/l	90
40) Benzene	8.161	78	239015	51.501	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	22849m	53.037	ug/l	94
42) 1,2-Dichloroethane	8.234	62	72086	52.896	ug/l	94
43) Isopropyl Acetate	8.271	43	85750	55.239	ug/l #	92
44) Trichloroethene	8.935	130	59225	48.196	ug/l	94
45) 1,2-Dichloropropane	9.216	63	59291	53.206	ug/l	93
46) Dibromomethane	9.301	93	37471	52.882	ug/l	91
47) Bromodichloromethane	9.496	83	83466	51.541	ug/l	95
48) Methyl methacrylate	9.289	41	38683	55.806	ug/l #	85
49) 1,4-Dioxane	9.295	88	9228	974.226	ug/l	85
51) 4-Methyl-2-Pentanone	10.069	43	245182	285.388	ug/l	93
52) Toluene	10.246	92	167692	51.704	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	89472	52.028	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	96821	52.372	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	50940	51.385	ug/l	97
56) Ethyl methacrylate	10.508	69	68632	54.151	ug/l	88
57) 1,3-Dichloropropane	10.788	76	85160	52.661	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	153843	280.569	ug/l	96
59) 2-Hexanone	10.831	43	172269	292.868	ug/l	90
60) Dibromochloromethane	10.984	129	62568	52.066	ug/l	99
61) 1,2-Dibromoethane	11.087	107	51917	52.850	ug/l	98
64) Tetrachloroethene	10.721	164	53341	45.945	ug/l	96
65) Chlorobenzene	11.514	112	178127	48.656	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	67296	50.202	ug/l	95
67) Ethyl Benzene	11.593	91	334199	50.655	ug/l	98
68) m/p-Xylenes	11.703	106	280892	104.878	ug/l	92
69) o-Xylene	12.026	106	131241	52.768	ug/l	90
70) Styrene	12.044	104	232532	54.366	ug/l	93
71) Bromoform	12.209	173	45978	51.740	ug/l #	100
73) Isopropylbenzene	12.331	105	353903	45.118	ug/l	99
74) N-amyl acetate	12.142	43	94588	52.265	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	73979	45.784	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	53065m	47.105	ug/l	
77) Bromobenzene	12.605	156	80160	44.085	ug/l	96
78) n-propylbenzene	12.672	91	451787	49.852	ug/l	99
79) 2-Chlorotoluene	12.758	91	241748	46.246	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	310867	47.283	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	25603	46.648	ug/l	88
82) 4-Chlorotoluene	12.855	91	271653	48.586	ug/l	97
83) tert-Butylbenzene	13.075	119	273078	46.817	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	321249	49.221	ug/l	97
85) sec-Butylbenzene	13.251	105	431508	48.351	ug/l	99
86) p-Isopropyltoluene	13.367	119	368387	49.500	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	187471	48.333	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	185538	47.612	ug/l	99
89) n-Butylbenzene	13.696	91	337821	49.618	ug/l	99
90) Hexachloroethane	13.959	117	67005	48.044	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	166579	48.652	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11383	45.376	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	83169	44.260	ug/l	100
94) Hexachlorobutadiene	15.111	225	44003	42.965	ug/l	98
95) Naphthalene	15.233	128	175650	46.531	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	73002	44.707	ug/l	99

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 Dadoda

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

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 Dadoda

05/31/2022

