

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042122\
 Data File : VY008437.D
 Acq On : 21 Apr 2022 12:33
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/22/2022
 Supervised By :Semsettin Yesilyurt 04/22/2022

Quant Time: Apr 21 13:28:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 13:25:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	96346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	165019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	158110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	75894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	20430	20.675	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.360%#		
35) Dibromofluoromethane	7.722	113	19891	19.753	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.500%#		
50) Toluene-d8	10.179	98	71352	20.440	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	40.880%#		
62) 4-Bromofluorobenzene	12.483	95	26325	20.196	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	40.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	17201	20.636	ug/l	98
3) Chloromethane	2.113	50	29649	26.217	ug/l	99
4) Vinyl Chloride	2.253	62	38667	25.897	ug/l	95
5) Bromomethane	2.644	94	35712	26.427	ug/l	100
6) Chloroethane	2.790	64	25972	25.203	ug/l	99
7) Trichlorofluoromethane	3.125	101	40397	23.680	ug/l	91
8) Diethyl Ether	3.528	74	12986	21.065	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.899	101	24123	22.234	ug/l	91
10) Methyl Iodide	4.088	142	26393	23.567	ug/l	92
11) Tert butyl alcohol	4.948	59	13030	126.796	ug/l	100
12) 1,1-Dichloroethene	3.869	96	21887	22.132	ug/l #	78
13) Acrolein	3.729	56	13483	163.789	ug/l	96
14) Allyl chloride	4.479	41	28806	22.435	ug/l #	90
15) Acrylonitrile	5.161	53	32547	107.299	ug/l	97
16) Acetone	3.948	43	24983	107.305	ug/l #	83
17) Carbon Disulfide	4.192	76	65650	24.354	ug/l	99
18) Methyl Acetate	4.479	43	14012	21.070	ug/l #	83
19) Methyl tert-butyl Ether	5.216	73	66521	21.640	ug/l	97
20) Methylene Chloride	4.716	84	32624	20.852	ug/l #	80
21) trans-1,2-Dichloroethene	5.222	96	26585	22.358	ug/l #	78
22) Diisopropyl ether	6.112	45	68019	22.310	ug/l #	92
23) Vinyl Acetate	6.064	43	229340	114.016	ug/l #	87
24) 1,1-Dichloroethane	6.015	63	42676	21.888	ug/l	96
25) 2-Butanone	6.984	43	39938	109.759	ug/l #	75
26) 2,2-Dichloropropane	6.978	77	38953	21.772	ug/l	94
27) cis-1,2-Dichloroethene	6.990	96	30112	21.508	ug/l	82
28) Bromochloromethane	7.332	49	15990	21.407	ug/l #	72
29) Tetrahydrofuran	7.350	42	25437	109.042	ug/l #	76
30) Chloroform	7.509	83	47504	21.853	ug/l	98
31) Cyclohexane	7.789	56	39516	23.194	ug/l	86
32) 1,1,1-Trichloroethane	7.698	97	41435	21.896	ug/l	96
36) 1,1-Dichloropropene	7.917	75	37212	23.720	ug/l	98
37) Ethyl Acetate	7.076	43	18311	22.285	ug/l #	88
38) Carbon Tetrachloride	7.899	117	36858	21.979	ug/l	98
39) Methylcyclohexane	9.185	83	46385	22.953	ug/l #	85
40) Benzene	8.161	78	105064	22.438	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	10438m	23.199	ug/l	
42) 1,2-Dichloroethane	8.234	62	30837	22.479	ug/l	88
43) Isopropyl Acetate	8.271	43	34239	22.238	ug/l #	86
44) Trichloroethene	8.941	130	28794	21.856	ug/l	99
45) 1,2-Dichloropropane	9.216	63	24840	21.725	ug/l	91
46) Dibromomethane	9.307	93	16812	21.924	ug/l	93
47) Bromodichloromethane	9.496	83	37070	21.798	ug/l	99
48) Methyl methacrylate	9.295	41	14326	21.810	ug/l #	76
49) 1,4-Dioxane	9.295	88	4328	442.223	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	89639	112.438	ug/l #	85
52) Toluene	10.246	92	66881	21.727	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	37776	21.524	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	43324	22.084	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	22993	21.241	ug/l	97
56) Ethyl methacrylate	10.508	69	29225	21.746	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	37873	21.672	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	77109	134.108	ug/l	92
59) 2-Hexanone	10.831	43	61272	111.178	ug/l	83
60) Dibromochloromethane	10.983	129	26756	21.226	ug/l	99
61) 1,2-Dibromoethane	11.087	107	22835	21.540	ug/l	100
64) Tetrachloroethene	10.721	164	25080	22.256	ug/l	95
65) Chlorobenzene	11.514	112	73857	21.195	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	26469	20.457	ug/l	95
67) Ethyl Benzene	11.593	91	129306	21.830	ug/l	98
68) m/p-Xylenes	11.703	106	102209	43.347	ug/l	91
69) o-Xylene	12.026	106	49415	21.635	ug/l	89
70) Styrene	12.044	104	80322	21.164	ug/l	95
71) Bromoform	12.209	173	15739	19.986	ug/l #	98
73) Isopropylbenzene	12.331	105	125499	21.994	ug/l	100
74) N-amyl acetate	12.142	43	30344	23.467	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	26989	21.816	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	19748m	22.689	ug/l	
77) Bromobenzene	12.605	156	29787	21.149	ug/l	94
78) n-propylbenzene	12.672	91	152015	22.461	ug/l	98
79) 2-Chlorotoluene	12.758	91	84634	22.217	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	105148	22.450	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	8462	21.592	ug/l	88
82) 4-Chlorotoluene	12.855	91	87325	22.228	ug/l	96
83) tert-Butylbenzene	13.075	119	90948	21.768	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	103339	22.268	ug/l	98
85) sec-Butylbenzene	13.251	105	138151	22.207	ug/l	99
86) p-Isopropyltoluene	13.367	119	114995	22.232	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	58568	21.151	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	58562	21.374	ug/l	99
89) n-Butylbenzene	13.696	91	105822	22.466	ug/l	100
90) Hexachloroethane	13.959	117	20989	21.703	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	53327	21.621	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3855	21.691	ug/l	77
93) 1,2,4-Trichlorobenzene	15.007	180	31045	21.303	ug/l	98
94) Hexachlorobutadiene	15.111	225	15558	21.257	ug/l	98
95) Naphthalene	15.233	128	66888	21.124	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	26938	21.053	ug/l	99

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

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