

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062122\
 Data File : VY009252.D
 Acq On : 21 Jun 2022 12:33
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/23/2022
 Supervised By :Semsettin Yesilyurt 06/23/2022

Quant Time: Jun 21 13:34:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 13:33:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	170592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	272056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	250574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	125856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	38679	21.693	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	43.380%#		
35) Dibromofluoromethane	7.716	113	36864	21.586	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	43.180%#		
50) Toluene-d8	10.179	98	144846	22.325	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	44.660%#		
62) 4-Bromofluorobenzene	12.477	95	52016	22.596	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	45.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	25160	19.728	ug/l	98
3) Chloromethane	2.113	50	31779	20.061	ug/l	99
4) Vinyl Chloride	2.247	62	35057	20.983	ug/l	94
5) Bromomethane	2.625	94	23406	19.926	ug/l	95
6) Chloroethane	2.778	64	22779	21.724	ug/l	100
7) Trichlorofluoromethane	3.119	101	53101	19.938	ug/l	94
8) Diethyl Ether	3.515	74	19085	18.940	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.893	101	32768	19.894	ug/l	95
10) Methyl Iodide	4.082	142	41357	19.736	ug/l	90
11) Tert butyl alcohol	4.942	59	32514	114.109	ug/l #	77
12) 1,1-Dichloroethene	3.857	96	31156	19.410	ug/l	87
13) Acrolein	3.717	56	5212	77.068	ug/l	87
14) Allyl chloride	4.466	41	57846	19.941	ug/l	93
15) Acrylonitrile	5.155	53	55052	101.743	ug/l	97
16) Acetone	3.942	43	42633	95.421	ug/l	93
17) Carbon Disulfide	4.186	76	90480	19.544	ug/l	99
18) Methyl Acetate	4.466	43	28973	19.499	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	95212	19.503	ug/l	99
20) Methylene Chloride	4.704	84	58395	25.197	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	37886	20.042	ug/l	85
22) Diisopropyl ether	6.112	45	128716	21.235	ug/l	92
23) Vinyl Acetate	6.052	43	395374	104.288	ug/l	96
24) 1,1-Dichloroethane	6.015	63	70012	20.524	ug/l	99
25) 2-Butanone	6.978	43	72906	102.797	ug/l #	90
26) 2,2-Dichloropropane	6.972	77	61672	20.283	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	44445	19.944	ug/l	91
28) Bromochloromethane	7.332	49	29093	19.889	ug/l	94
29) Tetrahydrofuran	7.344	42	49038	104.618	ug/l	93
30) Chloroform	7.496	83	71196	20.254	ug/l	96
31) Cyclohexane	7.777	56	66768	20.986	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	61446	19.959	ug/l	97
36) 1,1-Dichloropropene	7.917	75	54741	21.016	ug/l	98
37) Ethyl Acetate	7.070	43	32350	20.845	ug/l #	94
38) Carbon Tetrachloride	7.899	117	54703	20.256	ug/l	98
39) Methylcyclohexane	9.179	83	68764	21.838	ug/l	91
40) Benzene	8.155	78	163865	21.361	ug/l	93

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41) Methacrylonitrile	7.326	41	22358m	26.654	ug/l	
42) 1,2-Dichloroethane	8.234	62	46606	20.926	ug/l	94
43) Isopropyl Acetate	8.271	43	61243	21.330	ug/l #	93
44) Trichloroethene	8.935	130	45106	20.630	ug/l	96
45) 1,2-Dichloropropane	9.216	63	42093	21.611	ug/l	95
46) Dibromomethane	9.301	93	23913	21.465	ug/l	97
47) Bromodichloromethane	9.490	83	54778	20.572	ug/l	99
48) Methyl methacrylate	9.289	41	27200	21.382	ug/l	92
49) 1,4-Dioxane	9.295	88	6586	419.636	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	163119	108.171	ug/l	94
52) Toluene	10.240	92	104903	21.460	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	58627	21.007	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	66787	21.126	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	32594	20.643	ug/l	93
56) Ethyl methacrylate	10.508	69	44497	20.887	ug/l	86
57) 1,3-Dichloropropane	10.789	76	57044	21.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	96451	103.613	ug/l	97
59) 2-Hexanone	10.831	43	110232	106.472	ug/l	91
60) Dibromochloromethane	10.984	129	41314	21.369	ug/l	97
61) 1,2-Dibromoethane	11.087	107	33227	21.754	ug/l	99
64) Tetrachloroethene	10.715	164	49964	21.597	ug/l	98
65) Chlorobenzene	11.514	112	114504	21.163	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	41450	20.908	ug/l	97
67) Ethyl Benzene	11.593	91	202825	21.487	ug/l	97
68) m/p-Xylenes	11.703	106	159335	42.850	ug/l	95
69) o-Xylene	12.026	106	75053	21.245	ug/l	92
70) Styrene	12.044	104	124212	20.999	ug/l	97
71) Bromoform	12.203	173	25601	20.291	ug/l #	100
73) Isopropylbenzene	12.331	105	201863	21.309	ug/l	99
74) N-amyl acetate	12.142	43	53350	20.367	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	36858	19.776	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	29823m	21.385	ug/l	
77) Bromobenzene	12.605	156	48058	20.698	ug/l	94
78) n-propylbenzene	12.672	91	246882	21.556	ug/l	98
79) 2-Chlorotoluene	12.758	91	137538	21.282	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	170503	21.583	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	13526	19.482	ug/l #	83
82) 4-Chlorotoluene	12.849	91	143778	21.337	ug/l	97
83) tert-Butylbenzene	13.075	119	146972	21.222	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	164108	21.166	ug/l	95
85) sec-Butylbenzene	13.251	105	224177	21.777	ug/l	99
86) p-Isopropyltoluene	13.367	119	185431	21.715	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	94106	21.036	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	92769	20.467	ug/l	98
89) n-Butylbenzene	13.697	91	172502	21.408	ug/l	99
90) Hexachloroethane	13.959	117	35193	21.754	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	83682	20.739	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6415	19.369	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	50996	20.173	ug/l	100
94) Hexachlorobutadiene	15.111	225	28682	20.635	ug/l	98
95) Naphthalene	15.239	128	101724	19.400	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	44214	20.015	ug/l	99

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

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