

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050922\
 Data File : VY008658.D
 Acq On : 09 May 2022 11:41
 Operator : KP/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/10/2022
 Supervised By :Semsettin Yesilyurt 05/10/2022

Quant Time: May 09 12:43:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050922S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 09 12:39:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	260562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	406541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	372470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	185412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	105936	38.308	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	76.620%		
35) Dibromofluoromethane	7.716	113	118113	47.519	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.040%		
50) Toluene-d8	10.179	98	421311	44.077	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.160%		
62) 4-Bromofluorobenzene	12.483	95	148888	42.582	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	85.160%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	54736	35.222	ug/l	96
3) Chloromethane	2.119	50	72904	23.094	ug/l	92
4) Vinyl Chloride	2.259	62	109490	37.872	ug/l	99
5) Bromomethane	2.662	94	79198	20.909	ug/l	92
6) Chloroethane	2.802	64	66636	21.220	ug/l	100
7) Trichlorofluoromethane	3.131	101	112691	28.062	ug/l	91
8) Diethyl Ether	3.521	74	72619	42.004	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.905	101	118644	43.543	ug/l	95
10) Methyl Iodide	4.088	142	199724	48.564	ug/l #	87
11) Tert butyl alcohol	4.942	59	45364	168.548	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	125411	46.855	ug/l #	74
13) Acrolein	3.722	56	49702	296.930	ug/l	97
14) Allyl chloride	4.472	41	155865	40.757	ug/l #	85
15) Acrylonitrile	5.155	53	163013	194.962	ug/l	97
16) Acetone	3.942	43	119257	188.314	ug/l #	83
17) Carbon Disulfide	4.192	76	335467	47.887	ug/l	98
18) Methyl Acetate	4.466	43	69018	30.435	ug/l #	82
19) Methyl tert-butyl Ether	5.216	73	223956	39.634	ug/l	95
20) Methylene Chloride	4.710	84	142077	38.925	ug/l #	80
21) trans-1,2-Dichloroethene	5.216	96	139143	42.312	ug/l #	80
22) Diisopropyl ether	6.112	45	354515	40.749	ug/l #	89
23) Vinyl Acetate	6.051	43	1158552	200.259	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	224166	40.541	ug/l	96
25) 2-Butanone	6.978	43	194429	185.007	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	149001	40.541	ug/l	88
27) cis-1,2-Dichloroethene	6.984	96	159251	42.313	ug/l	78
28) Bromochloromethane	7.332	49	80564	37.193	ug/l #	64
29) Tetrahydrofuran	7.344	42	125038	179.793	ug/l #	76
30) Chloroform	7.502	83	236761	40.925	ug/l	100
31) Cyclohexane	7.783	56	195285	39.875	ug/l	86
32) 1,1,1-Trichloroethane	7.697	97	192735	40.393	ug/l	93
36) 1,1-Dichloropropene	7.917	75	185097	46.588	ug/l	95
37) Ethyl Acetate	7.069	43	87090	40.692	ug/l #	90
38) Carbon Tetrachloride	7.899	117	187450	47.240	ug/l	99
39) Methylcyclohexane	9.179	83	239842	45.329	ug/l #	84
40) Benzene	8.155	78	540693	46.651	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	49056m	45.385	ug/l	
42) 1,2-Dichloroethane	8.234	62	140539	41.828	ug/l	87
43) Isopropyl Acetate	8.270	43	163813	41.558	ug/l #	83
44) Trichloroethene	8.941	130	159371	47.178	ug/l	93
45) 1,2-Dichloropropane	9.215	63	132759	45.841	ug/l	98
46) Dibromomethane	9.307	93	82223	41.624	ug/l	96
47) Bromodichloromethane	9.496	83	185773	43.814	ug/l	100
48) Methyl methacrylate	9.289	41	70443	39.303	ug/l #	71
49) 1,4-Dioxane	9.295	88	19599	902.124	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	424584	196.032	ug/l #	82
52) Toluene	10.246	92	351330	43.770	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	198739	40.484	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	229915	45.258	ug/l #	78
55) 1,1,2-Trichloroethane	10.648	97	116743	40.863	ug/l	98
56) Ethyl methacrylate	10.508	69	152424	41.609	ug/l #	70
57) 1,3-Dichloropropane	10.788	76	192230	41.878	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	378346	222.458	ug/l	90
59) 2-Hexanone	10.831	43	295742	191.798	ug/l	78
60) Dibromochloromethane	10.983	129	143769	43.434	ug/l	99
61) 1,2-Dibromoethane	11.087	107	115952	42.791	ug/l	100
64) Tetrachloroethene	10.721	164	131790	46.283	ug/l	98
65) Chlorobenzene	11.520	112	389729	46.582	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	144049	47.044	ug/l	97
67) Ethyl Benzene	11.593	91	672208	45.847	ug/l	96
68) m/p-Xylenes	11.703	106	536262	83.253	ug/l	90
69) o-Xylene	12.032	106	257735	40.660	ug/l	89
70) Styrene	12.044	104	432461	40.101	ug/l	93
71) Bromoform	12.209	173	93577	41.535	ug/l #	99
73) Isopropylbenzene	12.331	105	663666	42.211	ug/l	98
74) N-amyl acetate	12.142	43	147246	37.360	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.587	83	135060	41.816	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	84304m	39.923	ug/l	
77) Bromobenzene	12.611	156	163830	46.686	ug/l	89
78) n-propylbenzene	12.672	91	796511	47.128	ug/l	97
79) 2-Chlorotoluene	12.757	91	436060	48.056	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	541600	48.500	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.379	75	48997	43.128	ug/l #	77
82) 4-Chlorotoluene	12.855	91	452861	47.740	ug/l	94
83) tert-Butylbenzene	13.074	119	501165	48.887	ug/l	90
84) 1,2,4-Trimethylbenzene	13.123	105	536435	47.357	ug/l	95
85) sec-Butylbenzene	13.257	105	720571	47.106	ug/l	98
86) p-Isopropyltoluene	13.373	119	604836	47.184	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	321077	47.383	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	314992	46.614	ug/l	98
89) n-Butylbenzene	13.696	91	551031	46.340	ug/l	97
90) Hexachloroethane	13.964	117	115981	46.158	ug/l	92
91) 1,2-Dichlorobenzene	13.745	146	282247	47.211	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	18911	38.047	ug/l	63
93) 1,2,4-Trichlorobenzene	15.013	180	182448	47.149	ug/l	99
94) Hexachlorobutadiene	15.117	225	100548	49.285	ug/l	99
95) Naphthalene	15.239	128	367921	44.376	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	159156	46.464	ug/l	98

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

