

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050922\
 Data File : VY008657.D
 Acq On : 09 May 2022 10:47
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: May 09 12:42:50 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	246013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	391327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	360532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	179333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	39636	15.181	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	30.360%#		
35) Dibromofluoromethane	7.716	113	46816	19.567	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.140%#		
50) Toluene-d8	10.179	98	160366	17.429	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	34.860%#		
62) 4-Bromofluorobenzene	12.483	95	59358	17.637	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	35.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	29114	19.843	ug/l	100
3) Chloromethane	2.113	50	32670	10.961	ug/l	94
4) Vinyl Chloride	2.260	62	43948	16.100	ug/l	95
5) Bromomethane	2.656	94	34378	9.613	ug/l	99
6) Chloroethane	2.802	64	28902	9.748	ug/l	98
7) Trichlorofluoromethane	3.125	101	52366	13.811	ug/l	94
8) Diethyl Ether	3.528	74	30173	18.485	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.900	101	51882	20.167	ug/l	95
10) Methyl Iodide	4.088	142	85859	22.112	ug/l #	87
11) Tert butyl alcohol	4.954	59	20224	79.585	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	52826	20.904	ug/l #	79
13) Acrolein	3.723	56	22456	142.091	ug/l	100
14) Allyl chloride	4.479	41	70179	19.436	ug/l #	84
15) Acrylonitrile	5.155	53	69288	87.769	ug/l	99
16) Acetone	3.942	43	47347	79.185	ug/l #	89
17) Carbon Disulfide	4.192	76	145195	21.952	ug/l	99
18) Methyl Acetate	4.473	43	32861	15.348	ug/l #	80
19) Methyl tert-butyl Ether	5.210	73	96860	18.155	ug/l	92
20) Methylene Chloride	4.710	84	61541	17.858	ug/l #	78
21) trans-1,2-Dichloroethene	5.216	96	60203	19.390	ug/l #	77
22) Diisopropyl ether	6.119	45	150605	18.335	ug/l #	88
23) Vinyl Acetate	6.052	43	471843	86.383	ug/l #	87
24) 1,1-Dichloroethane	6.015	63	95357	18.265	ug/l	97
25) 2-Butanone	6.984	43	80072	80.698	ug/l #	84
26) 2,2-Dichloropropane	6.978	77	64644	18.629	ug/l	88
27) cis-1,2-Dichloroethene	6.984	96	66839	18.809	ug/l	78
28) Bromochloromethane	7.332	49	34106	16.677	ug/l #	66
29) Tetrahydrofuran	7.344	42	54309	82.709	ug/l #	76
30) Chloroform	7.503	83	101296	18.545	ug/l	98
31) Cyclohexane	7.783	56	85432	18.476	ug/l #	84
32) 1,1,1-Trichloroethane	7.698	97	84518	18.761	ug/l #	93
36) 1,1-Dichloropropene	7.917	75	79710	20.842	ug/l	95
37) Ethyl Acetate	7.070	43	37758	18.328	ug/l #	92
38) Carbon Tetrachloride	7.899	117	79964	20.935	ug/l	100
39) Methylcyclohexane	9.179	83	102777	20.180	ug/l #	86
40) Benzene	8.161	78	231557	20.755	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	20373m	19.581	ug/l	
42) 1,2-Dichloroethane	8.234	62	58756	18.167	ug/l	84
43) Isopropyl Acetate	8.271	43	68571	18.072	ug/l #	84
44) Trichloroethene	8.935	130	65843	20.249	ug/l	100
45) 1,2-Dichloropropane	9.216	63	54974	19.720	ug/l	97
46) Dibromomethane	9.301	93	33868	17.812	ug/l	95
47) Bromodichloromethane	9.496	83	75879	18.591	ug/l	97
48) Methyl methacrylate	9.295	41	30701	17.795	ug/l #	77
49) 1,4-Dioxane	9.295	88	7930	379.201	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	179133	85.922	ug/l #	82
52) Toluene	10.240	92	149753	19.382	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	82655	17.492	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	94721	19.370	ug/l #	80
55) 1,1,2-Trichloroethane	10.642	97	48589	17.669	ug/l	98
56) Ethyl methacrylate	10.508	69	60688	17.211	ug/l #	72
57) 1,3-Dichloropropane	10.789	76	80265	18.166	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	144774	88.433	ug/l	90
59) 2-Hexanone	10.831	43	123571	83.255	ug/l	79
60) Dibromochloromethane	10.984	129	57893	18.170	ug/l	97
61) 1,2-Dibromoethane	11.087	107	47850	18.345	ug/l	100
64) Tetrachloroethene	10.721	164	56270	20.416	ug/l	96
65) Chlorobenzene	11.514	112	163911	20.240	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	60899	20.547	ug/l	97
67) Ethyl Benzene	11.593	91	281365	19.826	ug/l	95
68) m/p-Xylenes	11.703	106	227379	36.469	ug/l	89
69) o-Xylene	12.026	106	106083	17.290	ug/l	90
70) Styrene	12.044	104	176979	16.954	ug/l	93
71) Bromoform	12.209	173	38425	17.620	ug/l #	98
73) Isopropylbenzene	12.331	105	278622	18.322	ug/l	99
74) N-amyl acetate	12.142	43	61337	16.090	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.581	83	56337	18.034	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	41589m	20.362	ug/l	
77) Bromobenzene	12.611	156	68662	20.230	ug/l	89
78) n-propylbenzene	12.672	91	336401	20.579	ug/l	97
79) 2-Chlorotoluene	12.758	91	181949	20.731	ug/l	93
80) 1,3,5-Trimethylbenzene	12.813	105	228116	21.120	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	19370	17.628	ug/l #	79
82) 4-Chlorotoluene	12.855	91	191711	20.895	ug/l	95
83) tert-Butylbenzene	13.075	119	204373	20.612	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	225173	20.552	ug/l	96
85) sec-Butylbenzene	13.252	105	304228	20.563	ug/l	98
86) p-Isopropyltoluene	13.367	119	254307	20.511	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	135205	20.629	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	134800	20.624	ug/l	98
89) n-Butylbenzene	13.697	91	230206	20.016	ug/l	98
90) Hexachloroethane	13.959	117	49151	20.224	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	120632	20.862	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8127	16.905	ug/l	66
93) 1,2,4-Trichlorobenzene	15.007	180	75395	20.144	ug/l	99
94) Hexachlorobutadiene	15.111	225	42002	21.286	ug/l	97
95) Naphthalene	15.239	128	151212	18.856	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	67506	20.376	ug/l	99

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

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