

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062422\
 Data File : VY009307.D
 Acq On : 24 Jun 2022 13:36
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2022
 Supervised By :Mahesh Dadoda 06/30/2022

Quant Time: Jun 25 06:31:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062422S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 25 06:30:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	195178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	316969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	287953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	9754	4.773	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.540%#		
35) Dibromofluoromethane	7.704	113	8998	4.552	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.100%#		
50) Toluene-d8	10.179	98	36977	4.989	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.980%#		
62) 4-Bromofluorobenzene	12.477	95	13321	4.925	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.860%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	8413	5.765	ug/l	93
3) Chloromethane	2.107	50	10486	5.926	ug/l	95
4) Vinyl Chloride	2.241	62	11454	5.869	ug/l	98
5) Bromomethane	2.631	94	7290	5.455	ug/l	94
6) Chloroethane	2.784	64	5292	4.211	ug/l #	88
7) Trichlorofluoromethane	3.113	101	14317	4.735	ug/l	97
8) Diethyl Ether	3.515	74	5125	4.565	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.887	101	9642	4.946	ug/l	96
10) Methyl Iodide	4.082	142	11385	4.747	ug/l	99
11) Tert butyl alcohol	4.930	59	21809	54.335	ug/l #	78
12) 1,1-Dichloroethene	3.857	96	9146	4.888	ug/l	98
13) Acrolein	3.723	56	4455	44.086	ug/l	92
14) Allyl chloride	4.473	41	16984	5.086	ug/l	98
15) Acrylonitrile	5.155	53	14154	22.757	ug/l	98
16) Acetone	3.942	43	13898	26.019	ug/l	94
17) Carbon Disulfide	4.186	76	30407	5.732	ug/l #	89
18) Methyl Acetate	4.473	43	8235	4.589	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	24757	4.473	ug/l	94
20) Methylene Chloride	4.704	84	18004	5.239	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	10817	4.906	ug/l	98
22) Diisopropyl ether	6.113	45	31738	4.612	ug/l	97
23) Vinyl Acetate	6.052	43	94132	22.163	ug/l	98
24) 1,1-Dichloroethane	6.015	63	18466	4.692	ug/l	98
25) 2-Butanone	6.972	43	20342	24.199	ug/l	98
26) 2,2-Dichloropropane	6.978	77	19130	5.186	ug/l	95
27) cis-1,2-Dichloroethene	6.972	96	11830	4.659	ug/l	94
28) Bromochloromethane	7.320	49	8033	4.693	ug/l	89
29) Tetrahydrofuran	7.338	42	12280	23.121	ug/l	97
30) Chloroform	7.503	83	18998	4.724	ug/l	98
31) Cyclohexane	7.783	56	19845	5.416	ug/l #	78
32) 1,1,1-Trichloroethane	7.698	97	16171	4.589	ug/l	96
36) 1,1-Dichloropropene	7.917	75	14768	4.800	ug/l	98
37) Ethyl Acetate	7.064	43	8124	4.378	ug/l #	96
38) Carbon Tetrachloride	7.899	117	14931	4.669	ug/l	90
39) Methylcyclohexane	9.179	83	17756	4.686	ug/l	98
40) Benzene	8.155	78	43003	4.741	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	4689	4.677	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	11521	4.420	ug/l	100
43) Isopropyl Acetate	8.271	43	15296	4.510	ug/l	99
44) Trichloroethene	8.935	130	12190	4.768	ug/l	96
45) 1,2-Dichloropropane	9.210	63	10348	4.461	ug/l	95
46) Dibromomethane	9.301	93	6057	4.558	ug/l	96
47) Bromodichloromethane	9.490	83	13964	4.454	ug/l	97
48) Methyl methacrylate	9.289	41	6597	4.447	ug/l	96
49) 1,4-Dioxane	9.289	88	1603	83.633	ug/l	98
51) 4-Methyl-2-Pentanone	10.063	43	37657	21.407	ug/l	97
52) Toluene	10.240	92	26559	4.645	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	14777	4.527	ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	16674	4.494	ug/l	91
55) 1,1,2-Trichloroethane	10.636	97	8642	4.675	ug/l	95
56) Ethyl methacrylate	10.508	69	9539	3.890	ug/l	95
57) 1,3-Dichloropropane	10.789	76	14166	4.463	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	26558	24.171	ug/l	100
59) 2-Hexanone	10.831	43	26231	21.998	ug/l	95
60) Dibromochloromethane	10.984	129	9438	4.175	ug/l	95
61) 1,2-Dibromoethane	11.081	107	8175	4.493	ug/l	98
64) Tetrachloroethene	10.715	164	13013	4.752	ug/l	98
65) Chlorobenzene	11.514	112	29174	4.575	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	9900	4.258	ug/l	94
67) Ethyl Benzene	11.587	91	51448	4.663	ug/l	99
68) m/p-Xylenes	11.697	106	40051	9.232	ug/l	97
69) o-Xylene	12.026	106	18450	4.492	ug/l	97
70) Styrene	12.038	104	28993	4.247	ug/l	99
71) Bromoform	12.203	173	5864	4.092	ug/l #	93
73) Isopropylbenzene	12.325	105	46741	4.366	ug/l	99
74) N-amyl acetate	12.142	43	12336	4.298	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	8851	4.339	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	8262m	5.218	ug/l	
77) Bromobenzene	12.605	156	11747	4.508	ug/l	95
78) n-propylbenzene	12.666	91	60451	4.682	ug/l	100
79) 2-Chlorotoluene	12.752	91	32134	4.414	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	39285	4.408	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	3411	4.521	ug/l	95
82) 4-Chlorotoluene	12.849	91	34188	4.505	ug/l	99
83) tert-Butylbenzene	13.075	119	34737	4.478	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	38077	4.368	ug/l	98
85) sec-Butylbenzene	13.252	105	51357	4.424	ug/l	99
86) p-Isopropyltoluene	13.367	119	42225	4.380	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	22832	4.522	ug/l	97
88) 1,4-Dichlorobenzene	13.441	146	23154	4.575	ug/l	90
89) n-Butylbenzene	13.690	91	40924	4.560	ug/l	96
90) Hexachloroethane	13.959	117	7858	4.311	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	20379	4.507	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1503	4.128	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	11392	4.150	ug/l	96
94) Hexachlorobutadiene	15.111	225	7010	4.730	ug/l	98
95) Naphthalene	15.233	128	21485	3.900	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	10358	4.387	ug/l	96

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

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