

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062822\
 Data File : VY009364.D
 Acq On : 28 Jun 2022 13:57
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 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 28 15:02:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 15:02:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	150481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	242476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	172705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	107223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	6881	4.921	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.840%#		
35) Dibromofluoromethane	7.710	113	7300	5.139	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.280%#		
50) Toluene-d8	10.173	98	22595	4.490	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	8.980%#		
62) 4-Bromofluorobenzene	12.477	95	10889	5.448	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.900%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	7492	6.000	ug/l	99
3) Chloromethane	2.107	50	8539	6.808	ug/l	95
4) Vinyl Chloride	2.247	62	9751	6.510	ug/l	100
5) Bromomethane	2.643	94	6326	6.438	ug/l	85
6) Chloroethane	2.784	64	4677	5.705	ug/l	93
7) Trichlorofluoromethane	3.119	101	12068	5.781	ug/l #	80
8) Diethyl Ether	3.527	74	4584	6.022	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.881	101	8736	6.126	ug/l	94
10) Methyl Iodide	4.088	142	6770	3.994	ug/l	91
11) Tert butyl alcohol	4.930	59	10994	38.560	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	8010	6.056	ug/l	84
13) Acrolein	3.716	56	2965	28.952	ug/l	95
14) Allyl chloride	4.466	41	14025	5.782	ug/l	93
15) Acrylonitrile	5.155	53	11319	25.617	ug/l	99
16) Acetone	3.942	43	11345	30.517	ug/l	93
17) Carbon Disulfide	4.186	76	23224	6.279	ug/l	100
18) Methyl Acetate	4.466	43	8541	7.373	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	19975	5.039	ug/l	97
20) Methylene Chloride	4.710	84	21708	11.214	ug/l	93
21) trans-1,2-Dichloroethene	5.204	96	8876	5.527	ug/l	87
22) Diisopropyl ether	6.112	45	26720	5.212	ug/l	96
23) Vinyl Acetate	6.051	43	74133	23.253	ug/l	99
24) 1,1-Dichloroethane	6.003	63	15613	5.332	ug/l	92
25) 2-Butanone	6.978	43	17332	28.420	ug/l	93
26) 2,2-Dichloropropane	6.972	77	16466	5.987	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	10268	5.499	ug/l	98
28) Bromochloromethane	7.326	49	6287	4.986	ug/l #	85
29) Tetrahydrofuran	7.338	42	10316	26.148	ug/l	95
30) Chloroform	7.496	83	16270	5.386	ug/l	99
31) Cyclohexane	7.777	56	17730	6.705	ug/l #	80
32) 1,1,1-Trichloroethane	7.697	97	15232	5.764	ug/l	95
36) 1,1-Dichloropropene	7.911	75	12805	5.563	ug/l	95
37) Ethyl Acetate	7.063	43	7594	5.585	ug/l #	88
38) Carbon Tetrachloride	7.893	117	13185	5.413	ug/l	91
39) Methylcyclohexane	9.185	83	15711	5.866	ug/l #	86
40) Benzene	8.155	78	37057	5.481	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	3606	2.545	ug/l #	57
42) 1,2-Dichloroethane	8.234	62	10201	5.242	ug/l	89
43) Isopropyl Acetate	8.264	43	12492	4.991	ug/l #	94
44) Trichloroethene	8.935	130	10165	5.436	ug/l	99
45) 1,2-Dichloropropane	9.209	63	9253	5.326	ug/l	95
46) Dibromomethane	9.301	93	5330	5.453	ug/l	94
47) Bromodichloromethane	9.490	83	12273	5.307	ug/l	86
48) Methyl methacrylate	9.289	41	5315	4.926	ug/l	89
49) 1,4-Dioxane	9.301	88	1380	105.092	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	31665	24.485	ug/l	94
52) Toluene	10.240	92	22473	5.293	ug/l	91
53) t-1,3-Dichloropropene	10.465	75	12267	5.044	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	14379	5.210	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	6780	4.945	ug/l	93
56) Ethyl methacrylate	10.502	69	7229	4.046	ug/l	96
57) 1,3-Dichloropropane	10.788	76	11913	5.103	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	22387	24.424	ug/l	98
59) 2-Hexanone	10.831	43	21593	24.540	ug/l	99
60) Dibromochloromethane	10.983	129	8198	4.942	ug/l	99
61) 1,2-Dibromoethane	11.081	107	6692	5.157	ug/l	98
64) Tetrachloroethene	10.715	164	11029	7.088	ug/l	94
65) Chlorobenzene	11.514	112	20245	5.477	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	7131	5.271	ug/l	91
67) Ethyl Benzene	11.587	91	33310	5.196	ug/l	98
68) m/p-Xylenes	11.703	106	28781	11.500	ug/l	92
69) o-Xylene	12.026	106	13110	5.475	ug/l	90
70) Styrene	12.044	104	21196	5.343	ug/l	98
71) Bromoform	12.209	173	4718	5.737	ug/l #	99
73) Isopropylbenzene	12.331	105	41111	5.271	ug/l	99
74) N-amyl acetate	12.142	43	9067	4.294	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	8235	5.546	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	6958m	3.319	ug/l	
77) Bromobenzene	12.605	156	9942	5.263	ug/l	94
78) n-propylbenzene	12.666	91	51497	5.444	ug/l	98
79) 2-Chlorotoluene	12.751	91	29729	5.667	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	34622	5.411	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	2680	4.912	ug/l	88
82) 4-Chlorotoluene	12.855	91	30342	5.530	ug/l	96
83) tert-Butylbenzene	13.075	119	30549	5.510	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	34209	5.472	ug/l	97
85) sec-Butylbenzene	13.251	105	46506	5.657	ug/l	98
86) p-Isopropyltoluene	13.367	119	37748	5.450	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	21114	5.762	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	21880	5.817	ug/l	97
89) n-Butylbenzene	13.696	91	36160	5.571	ug/l	98
90) Hexachloroethane	13.959	117	8014	5.877	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	18329	5.534	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1135	4.483	ug/l	74
93) 1,2,4-Trichlorobenzene	15.007	180	11261	5.804	ug/l	97
94) Hexachlorobutadiene	15.117	225	6499	5.961	ug/l	96
95) Naphthalene	15.239	128	19784	5.291	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	9287	5.626	ug/l	96

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

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