

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041522\
 Data File : VY008344.D
 Acq On : 15 Apr 2022 12:13
 Operator : KP/MD
 Sample : VY0415SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Quant Time: Apr 16 04:56:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/18/2022
 Supervised By :Semsettin Yesilyurt 04/18/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	128867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	224493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	202342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	55912	46.190	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.380%		
35) Dibromofluoromethane	7.716	113	59581	45.951	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.900%		
50) Toluene-d8	10.179	98	209882	47.305	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.600%		
62) 4-Bromofluorobenzene	12.483	95	73385	43.975	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19715	18.473	ug/l	98
3) Chloromethane	2.113	50	27815	19.629	ug/l	99
4) Vinyl Chloride	2.253	62	35977	19.597	ug/l	92
5) Bromomethane	2.643	94	35463	22.356	ug/l	99
6) Chloroethane	2.796	64	25518	19.845	ug/l	99
7) Trichlorofluoromethane	3.125	101	43083	19.722	ug/l	90
8) Diethyl Ether	3.527	74	14837	18.794	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.905	101	27107	19.103	ug/l	94
10) Methyl Iodide	4.094	142	27900	19.144	ug/l	91
11) Tert butyl alcohol	4.960	59	14852	114.767	ug/l	99
12) 1,1-Dichloroethene	3.875	96	24733	19.459	ug/l #	75
13) Acrolein	3.729	56	5812	57.039	ug/l	95
14) Allyl chloride	4.478	41	32029	19.308	ug/l #	90
15) Acrylonitrile	5.167	53	37544	97.232	ug/l	96
16) Acetone	3.948	43	27390	94.076	ug/l #	88
17) Carbon Disulfide	4.192	76	62395	18.608	ug/l	98
18) Methyl Acetate	4.485	43	18411	22.710	ug/l #	81
19) Methyl tert-butyl Ether	5.222	73	74903	19.096	ug/l #	89
20) Methylene Chloride	4.716	84	36774	19.115	ug/l #	78
21) trans-1,2-Dichloroethene	5.222	96	29642	19.464	ug/l #	81
22) Diisopropyl ether	6.118	45	76684	19.594	ug/l #	93
23) Vinyl Acetate	6.064	43	244948	96.593	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	49138	19.560	ug/l	96
25) 2-Butanone	6.984	43	44503	97.753	ug/l #	74
26) 2,2-Dichloropropane	6.978	77	45784	19.790	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	34771	19.244	ug/l	84
28) Bromochloromethane	7.338	49	15806	16.415	ug/l #	74
29) Tetrahydrofuran	7.350	42	29512	100.405	ug/l #	73
30) Chloroform	7.508	83	54378	19.385	ug/l	98
31) Cyclohexane	7.789	56	41608	19.009	ug/l	86
32) 1,1,1-Trichloroethane	7.704	97	47596	19.396	ug/l	95
36) 1,1-Dichloropropene	7.917	75	38633	18.658	ug/l	95
37) Ethyl Acetate	7.076	43	21313	19.963	ug/l #	93
38) Carbon Tetrachloride	7.905	117	41746	18.741	ug/l	98
39) Methylcyclohexane	9.185	83	48683	18.274	ug/l #	82
40) Benzene	8.161	78	118593	19.234	ug/l	98

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Reviewed By :Mahesh Dadoda 04/18/2022
 Supervised By :Semsettin Yesilyurt 04/18/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11608m	19.435	ug/l	
42) 1,2-Dichloroethane	8.234	62	33549	18.755	ug/l	91
43) Isopropyl Acetate	8.270	43	39105	19.736	ug/l #	86
44) Trichloroethene	8.941	130	33205	18.897	ug/l	98
45) 1,2-Dichloropropane	9.215	63	28899	19.187	ug/l	96
46) Dibromomethane	9.307	93	18611	18.669	ug/l	96
47) Bromodichloromethane	9.496	83	42107	18.781	ug/l	98
48) Methyl methacrylate	9.295	41	16039	19.042	ug/l #	73
49) 1,4-Dioxane	9.295	88	4679	363.701	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	102033	99.726	ug/l #	82
52) Toluene	10.246	92	76677	18.875	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	42300	18.513	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	48742	18.909	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	26870	18.895	ug/l	97
56) Ethyl methacrylate	10.508	69	32357	18.559	ug/l #	75
57) 1,3-Dichloropropane	10.788	76	43066	18.859	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	60096	87.507	ug/l	91
59) 2-Hexanone	10.831	43	70406	100.007	ug/l	81
60) Dibromochloromethane	10.983	129	30552	18.392	ug/l	99
61) 1,2-Dibromoethane	11.087	107	25870	18.607	ug/l	99
64) Tetrachloroethene	10.721	164	28344	19.875	ug/l	97
65) Chlorobenzene	11.520	112	85799	19.553	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	31419	19.188	ug/l	97
67) Ethyl Benzene	11.593	91	148543	19.906	ug/l	95
68) m/p-Xylenes	11.703	106	116309	39.191	ug/l	92
69) o-Xylene	12.032	106	56040	19.458	ug/l	90
70) Styrene	12.044	104	92805	19.539	ug/l	94
71) Bromoform	12.209	173	18320	18.561	ug/l #	95
73) Isopropylbenzene	12.331	105	147422	21.382	ug/l	100
74) N-amyl acetate	12.148	43	33335	22.270	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.581	83	31822	21.812	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	19930m	19.432	ug/l	
77) Bromobenzene	12.611	156	34133	20.203	ug/l	95
78) n-propylbenzene	12.672	91	174290	21.423	ug/l	99
79) 2-Chlorotoluene	12.757	91	98013	21.466	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	118973	21.044	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	9721	21.207	ug/l	86
82) 4-Chlorotoluene	12.855	91	100465	21.411	ug/l	97
83) tert-Butylbenzene	13.075	119	105514	20.804	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	117127	20.934	ug/l	97
85) sec-Butylbenzene	13.257	105	159582	21.223	ug/l	100
86) p-Isopropyltoluene	13.373	119	129916	20.705	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	65865	19.684	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	66303	20.021	ug/l	99
89) n-Butylbenzene	13.696	91	120608	21.274	ug/l	99
90) Hexachloroethane	13.965	117	25144	21.440	ug/l	76
91) 1,2-Dichlorobenzene	13.739	146	59052	19.836	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4565	21.870	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	33733	19.158	ug/l	97
94) Hexachlorobutadiene	15.117	225	16746	18.734	ug/l	97
95) Naphthalene	15.239	128	73134	19.390	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	29270	18.996	ug/l	98

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

