

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032822\
 Data File : VY008061.D
 Acq On : 28 Mar 2022 12:46
 Operator : SY/MD
 Sample : VY0328SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0328SBS02

Quant Time: Mar 28 18:57:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/29/2022
 Supervised By : Mahesh Dadoda 03/29/2022

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	160982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	271070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	244192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	79743	49.372	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.740%		
35) Dibromofluoromethane	7.721	113	83334	49.033	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.060%		
50) Toluene-d8	10.184	98	316276	49.395	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.780%		
62) 4-Bromofluorobenzene	12.483	95	108507	48.033	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	36052	24.843	ug/l	98
3) Chloromethane	2.119	50	40656	23.007	ug/l	95
4) Vinyl Chloride	2.253	62	52749	22.434	ug/l	99
5) Bromomethane	2.649	94	42844	22.234	ug/l	99
6) Chloroethane	2.796	64	33894	21.915	ug/l	92
7) Trichlorofluoromethane	3.131	101	64787	21.782	ug/l	96
8) Diethyl Ether	3.533	74	20060	20.827	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.905	101	40899	22.168	ug/l	92
10) Methyl Iodide	4.100	142	42092	20.567	ug/l	90
11) Tert butyl alcohol	4.960	59	14229	84.911	ug/l	97
12) 1,1-Dichloroethene	3.881	96	38221	22.377	ug/l #	75
13) Acrolein	3.734	56	12935	94.834	ug/l	97
14) Allyl chloride	4.484	41	49102	21.850	ug/l #	90
15) Acrylonitrile	5.167	53	43378	94.548	ug/l	98
16) Acetone	3.948	43	33395	90.459	ug/l #	87
17) Carbon Disulfide	4.198	76	116355	24.042	ug/l	99
18) Methyl Acetate	4.478	43	18896	14.276	ug/l #	81
19) Methyl tert-butyl Ether	5.222	73	97209	20.027	ug/l	92
20) Methylene Chloride	4.722	84	48518	23.322	ug/l #	76
21) trans-1,2-Dichloroethene	5.222	96	43530	22.010	ug/l #	81
22) Diisopropyl ether	6.124	45	104027	21.517	ug/l #	92
23) Vinyl Acetate	6.063	43	321286	107.247	ug/l #	86
24) 1,1-Dichloroethane	6.014	63	68780	21.489	ug/l	97
25) 2-Butanone	6.984	43	51576	91.805	ug/l #	81
26) 2,2-Dichloropropane	6.984	77	64677	21.337	ug/l	93
27) cis-1,2-Dichloroethene	6.990	96	49122	21.428	ug/l	82
28) Bromochloromethane	7.343	49	22634	22.145	ug/l #	70
29) Tetrahydrofuran	7.356	42	34367	94.094	ug/l #	74
30) Chloroform	7.508	83	73183	21.116	ug/l	99
31) Cyclohexane	7.789	56	65678	21.755	ug/l #	76
32) 1,1,1-Trichloroethane	7.703	97	69232	21.620	ug/l	94
36) 1,1-Dichloropropene	7.923	75	58801	22.026	ug/l	96
37) Ethyl Acetate	7.075	43	24198	19.403	ug/l #	91
38) Carbon Tetrachloride	7.904	117	62416	21.454	ug/l	98
39) Methylcyclohexane	9.185	83	78883	21.891	ug/l #	83
40) Benzene	8.167	78	165572	21.682	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	12748	20.357	ug/l #	1
42) 1,2-Dichloroethane	8.240	62	45062	21.035	ug/l	92
43) Isopropyl Acetate	8.276	43	47075	19.228	ug/l #	85
44) Trichloroethene	8.941	130	47701	21.601	ug/l	98
45) 1,2-Dichloropropane	9.215	63	38816	21.568	ug/l	96
46) Dibromomethane	9.307	93	23467	19.831	ug/l	96
47) Bromodichloromethane	9.502	83	56099	20.732	ug/l	98
48) Methyl methacrylate	9.294	41	20426	18.837	ug/l #	77
49) 1,4-Dioxane	9.300	88	5852	371.996	ug/l #	84
51) 4-Methyl-2-Pentanone	10.075	43	115896	93.859	ug/l #	85
52) Toluene	10.245	92	108588	21.683	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	56384	20.327	ug/l	98
54) cis-1,3-Dichloropropene	9.928	75	66356	21.133	ug/l #	83
55) 1,1,2-Trichloroethane	10.648	97	32939	20.158	ug/l	99
56) Ethyl methacrylate	10.514	69	42262	19.828	ug/l #	75
57) 1,3-Dichloropropane	10.794	76	56032	20.952	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	80768	91.456	ug/l #	89
59) 2-Hexanone	10.837	43	78204	90.510	ug/l	81
60) Dibromochloromethane	10.983	129	39872	20.063	ug/l	99
61) 1,2-Dibromoethane	11.093	107	32300	19.848	ug/l	100
64) Tetrachloroethene	10.721	164	39548	21.086	ug/l	96
65) Chlorobenzene	11.520	112	115677	21.009	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	41867	20.614	ug/l	97
67) Ethyl Benzene	11.593	91	206776	21.427	ug/l	96
68) m/p-Xylenes	11.702	106	164897	42.972	ug/l	91
69) o-Xylene	12.032	106	77723	21.154	ug/l	91
70) Styrene	12.044	104	125908	20.934	ug/l	95
71) Bromoform	12.208	173	22329	18.209	ug/l #	99
73) Isopropylbenzene	12.330	105	205922	21.600	ug/l	100
74) N-amyl acetate	12.148	43	41232	19.675	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.586	83	37045	19.991	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	25516m	18.123	ug/l	
77) Bromobenzene	12.611	156	45325	20.723	ug/l	93
78) n-propylbenzene	12.672	91	247865	22.042	ug/l	98
79) 2-Chlorotoluene	12.757	91	135080	21.654	ug/l	97
80) 1,3,5-Trimethylbenzene	12.818	105	168995	21.638	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	12582	19.938	ug/l #	79
82) 4-Chlorotoluene	12.861	91	139914	21.859	ug/l	98
83) tert-Butylbenzene	13.080	119	152968	21.984	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	165406	21.748	ug/l	97
85) sec-Butylbenzene	13.257	105	227316	22.133	ug/l	99
86) p-Isopropyltoluene	13.373	119	186656	21.837	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	91018	20.990	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	91579	21.177	ug/l	98
89) n-Butylbenzene	13.702	91	174970	22.249	ug/l	99
90) Hexachloroethane	13.964	117	35263	21.292	ug/l	78
91) 1,2-Dichlorobenzene	13.745	146	80005	20.956	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5164	17.460	ug/l	76
93) 1,2,4-Trichlorobenzene	15.013	180	45334	19.826	ug/l	98
94) Hexachlorobutadiene	15.117	225	24388	20.162	ug/l	99
95) Naphthalene	15.238	128	93563	18.512	ug/l	99
96) 1,2,3-Trichlorobenzene	15.427	180	38571	19.496	ug/l	99

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

