

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040122\
 Data File : VY008152.D
 Acq On : 01 Apr 2022 10:49
 Operator : SY/MD
 Sample : VY0401SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Quant Time: Apr 02 03:54:50 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 04/02/2022
 Supervised By : Mahesh Dadoda 04/04/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	155033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	267668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	239649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	110993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	73271	47.106	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.220%		
35) Dibromofluoromethane	7.722	113	80497	47.966	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.940%		
50) Toluene-d8	10.179	98	293680	46.449	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.900%		
62) 4-Bromofluorobenzene	12.483	95	102185	45.809	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	27723	19.837	ug/l	99
3) Chloromethane	2.113	50	32939	19.355	ug/l	94
4) Vinyl Chloride	2.253	62	42261	18.664	ug/l	98
5) Bromomethane	2.643	94	39636	21.359	ug/l	98
6) Chloroethane	2.790	64	28380	19.054	ug/l	94
7) Trichlorofluoromethane	3.125	101	54835	19.144	ug/l	94
8) Diethyl Ether	3.534	74	17802	19.192	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.899	101	33114	18.637	ug/l	94
10) Methyl Iodide	4.094	142	30036	15.679	ug/l	92
11) Tert butyl alcohol	4.960	59	14352	88.931	ug/l #	95
12) 1,1-Dichloroethene	3.875	96	30725	18.679	ug/l	82
13) Acrolein	3.729	56	10497	79.913	ug/l	97
14) Allyl chloride	4.485	41	40453	18.692	ug/l #	91
15) Acrylonitrile	5.167	53	41266	93.396	ug/l	98
16) Acetone	3.948	43	31654	89.033	ug/l #	87
17) Carbon Disulfide	4.192	76	89691	19.243	ug/l	100
18) Methyl Acetate	4.485	43	18534	14.698	ug/l #	80
19) Methyl tert-butyl Ether	5.222	73	88056	18.837	ug/l	98
20) Methylene Chloride	4.716	84	38009	18.003	ug/l #	77
21) trans-1,2-Dichloroethene	5.222	96	36670	19.253	ug/l #	82
22) Diisopropyl ether	6.118	45	89024	19.120	ug/l #	92
23) Vinyl Acetate	6.057	43	289309	100.279	ug/l #	85
24) 1,1-Dichloroethane	6.015	63	58693	19.041	ug/l	98
25) 2-Butanone	6.990	43	49576	91.631	ug/l #	81
26) 2,2-Dichloropropane	6.984	77	55765	19.103	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	42276	19.150	ug/l	81
28) Bromochloromethane	7.338	49	20529	20.272	ug/l #	72
29) Tetrahydrofuran	7.350	42	32925	93.605	ug/l #	71
30) Chloroform	7.508	83	64068	19.195	ug/l	99
31) Cyclohexane	7.783	56	52333	17.999	ug/l #	81
32) 1,1,1-Trichloroethane	7.704	97	59151	19.180	ug/l	95
36) 1,1-Dichloropropene	7.917	75	48903	18.551	ug/l	96
37) Ethyl Acetate	7.069	43	22540	18.303	ug/l #	89
38) Carbon Tetrachloride	7.899	117	52767	18.368	ug/l	96
39) Methylcyclohexane	9.185	83	63201	17.762	ug/l #	83
40) Benzene	8.161	78	142067	18.840	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11036	17.847	ug/l #	52
42) 1,2-Dichloroethane	8.240	62	39582	18.712	ug/l	89
43) Isopropyl Acetate	8.277	43	43297	17.910	ug/l #	84
44) Trichloroethene	8.941	130	40463	18.556	ug/l	95
45) 1,2-Dichloropropane	9.215	63	33168	18.664	ug/l	92
46) Dibromomethane	9.307	93	22070	18.887	ug/l	94
47) Bromodichloromethane	9.496	83	49865	18.662	ug/l	95
48) Methyl methacrylate	9.295	41	18386	17.171	ug/l #	76
49) 1,4-Dioxane	9.301	88	5953	383.225	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	110828	90.896	ug/l #	81
52) Toluene	10.246	92	93654	18.938	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	50892	18.581	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	57565	18.566	ug/l #	82
55) 1,1,2-Trichloroethane	10.648	97	30081	18.643	ug/l	96
56) Ethyl methacrylate	10.508	69	38857	18.462	ug/l #	73
57) 1,3-Dichloropropane	10.788	76	50168	18.997	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	74266	85.163	ug/l #	89
59) 2-Hexanone	10.831	43	76563	89.737	ug/l	80
60) Dibromochloromethane	10.983	129	36151	18.422	ug/l	99
61) 1,2-Dibromoethane	11.087	107	30094	18.727	ug/l	100
64) Tetrachloroethene	10.721	164	33472	18.185	ug/l	97
65) Chlorobenzene	11.520	112	100695	18.635	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	37343	18.735	ug/l	96
67) Ethyl Benzene	11.593	91	176209	18.606	ug/l	96
68) m/p-Xylenes	11.703	106	140422	37.287	ug/l	92
69) o-Xylene	12.032	106	67048	18.595	ug/l	91
70) Styrene	12.044	104	111369	18.867	ug/l	94
71) Bromoform	12.209	173	20964	17.420	ug/l #	98
73) Isopropylbenzene	12.331	105	176588	19.275	ug/l	99
74) N-amyl acetate	12.142	43	37677	18.708	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.587	83	34865	19.579	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	26672m	19.713	ug/l	
77) Bromobenzene	12.611	156	39134	18.619	ug/l	96
78) n-propylbenzene	12.672	91	209664	19.402	ug/l	98
79) 2-Chlorotoluene	12.757	91	114908	19.168	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	144546	19.259	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	11552	19.050	ug/l #	83
82) 4-Chlorotoluene	12.855	91	118067	19.195	ug/l	97
83) tert-Butylbenzene	13.075	119	129898	19.427	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	141120	19.308	ug/l	97
85) sec-Butylbenzene	13.257	105	189311	19.181	ug/l	100
86) p-Isopropyltoluene	13.373	119	154088	18.759	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	78229	18.774	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	78461	18.881	ug/l	98
89) n-Butylbenzene	13.696	91	143462	18.983	ug/l	98
90) Hexachloroethane	13.965	117	28536	17.930	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	68921	18.786	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5182	18.233	ug/l	82
93) 1,2,4-Trichlorobenzene	15.013	180	38172	17.372	ug/l	97
94) Hexachlorobutadiene	15.117	225	19533	16.804	ug/l	99
95) Naphthalene	15.239	128	83922	17.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	32152	16.911	ug/l	97

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

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