

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040122\
 Data File : VY008153.D
 Acq On : 01 Apr 2022 11:46
 Operator : SY/MD
 Sample : VY0401SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/02/2022
 Supervised By : Mahesh Dadoda 04/04/2022

Quant Time: Apr 02 03:55:15 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	161626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	276419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	246537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	117936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	78554	48.442	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.880%		
35) Dibromofluoromethane	7.716	113	84465	48.737	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.480%		
50) Toluene-d8	10.179	98	310611	47.571	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.140%		
62) 4-Bromofluorobenzene	12.483	95	108626	47.155	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	28198	19.354	ug/l	99
3) Chloromethane	2.113	50	33882	19.097	ug/l	97
4) Vinyl Chloride	2.253	62	43697	18.511	ug/l	98
5) Bromomethane	2.644	94	39840	20.593	ug/l	99
6) Chloroethane	2.790	64	29725	19.142	ug/l	97
7) Trichlorofluoromethane	3.125	101	56309	18.857	ug/l	94
8) Diethyl Ether	3.527	74	18450	19.079	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.899	101	34634	18.697	ug/l	93
10) Methyl Iodide	4.088	142	35791	17.678	ug/l	91
11) Tert butyl alcohol	4.954	59	14394	85.553	ug/l	100
12) 1,1-Dichloroethene	3.875	96	32408	18.899	ug/l #	76
13) Acrolein	3.729	56	11553	84.364	ug/l	97
14) Allyl chloride	4.485	41	40897	18.126	ug/l #	90
15) Acrylonitrile	5.161	53	42072	91.336	ug/l	98
16) Acetone	3.948	43	33350	89.977	ug/l #	81
17) Carbon Disulfide	4.192	76	92548	19.046	ug/l	98
18) Methyl Acetate	4.472	43	18666	13.909	ug/l #	77
19) Methyl tert-butyl Ether	5.222	73	89761	18.419	ug/l	96
20) Methylene Chloride	4.716	84	39062	17.674	ug/l #	77
21) trans-1,2-Dichloroethene	5.216	96	37639	18.956	ug/l #	82
22) Diisopropyl ether	6.112	45	90309	18.605	ug/l #	94
23) Vinyl Acetate	6.058	43	293337	97.527	ug/l #	83
24) 1,1-Dichloroethane	6.015	63	59853	18.625	ug/l	98
25) 2-Butanone	6.978	43	51015	90.445	ug/l #	79
26) 2,2-Dichloropropane	6.984	77	55881	18.362	ug/l	92
27) cis-1,2-Dichloroethene	6.984	96	42939	18.657	ug/l	82
28) Bromochloromethane	7.332	49	20435	18.903	ug/l #	69
29) Tetrahydrofuran	7.350	42	33694	91.883	ug/l #	74
30) Chloroform	7.508	83	65723	18.888	ug/l	98
31) Cyclohexane	7.783	56	53816	17.754	ug/l #	78
32) 1,1,1-Trichloroethane	7.697	97	59715	18.573	ug/l	95
36) 1,1-Dichloropropene	7.917	75	49844	18.309	ug/l	96
37) Ethyl Acetate	7.070	43	23309	18.328	ug/l #	91
38) Carbon Tetrachloride	7.899	117	52873	17.822	ug/l	99
39) Methylcyclohexane	9.179	83	65313	17.774	ug/l #	87
40) Benzene	8.161	78	144056	18.499	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	11919m	18.665	ug/l	
42) 1,2-Dichloroethane	8.234	62	39513	18.088	ug/l	89
43) Isopropyl Acetate	8.271	43	44125	17.675	ug/l #	83
44) Trichloroethene	8.941	130	41271	18.328	ug/l	98
45) 1,2-Dichloropropane	9.216	63	33698	18.362	ug/l	95
46) Dibromomethane	9.307	93	22687	18.801	ug/l	93
47) Bromodichloromethane	9.496	83	51625	18.709	ug/l	99
48) Methyl methacrylate	9.289	41	18693	16.905	ug/l #	73
49) 1,4-Dioxane	9.295	88	5841	364.111	ug/l #	74
51) 4-Methyl-2-Pentanone	10.069	43	114289	90.767	ug/l #	83
52) Toluene	10.246	92	94669	18.537	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	51644	18.258	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	58792	18.362	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	30904	18.547	ug/l	95
56) Ethyl methacrylate	10.508	69	39833	18.326	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	50181	18.401	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	77047	85.555	ug/l #	87
59) 2-Hexanone	10.831	43	80191	91.013	ug/l	82
60) Dibromochloromethane	10.983	129	36781	18.150	ug/l	99
61) 1,2-Dibromoethane	11.087	107	30717	18.510	ug/l	99
64) Tetrachloroethene	10.721	164	33644	17.768	ug/l	96
65) Chlorobenzene	11.520	112	103424	18.605	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	37076	18.082	ug/l	97
67) Ethyl Benzene	11.593	91	184114	18.897	ug/l	98
68) m/p-Xylenes	11.703	106	143611	37.069	ug/l	92
69) o-Xylene	12.032	106	67805	18.279	ug/l	93
70) Styrene	12.044	104	112370	18.505	ug/l	95
71) Bromoform	12.209	173	21057	17.009	ug/l #	100
73) Isopropylbenzene	12.331	105	178975	18.385	ug/l	99
74) N-amyl acetate	12.148	43	38622	18.049	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	36107	19.083	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	26634m	18.526	ug/l	
77) Bromobenzene	12.611	156	40418	18.098	ug/l	94
78) n-propylbenzene	12.672	91	214974	18.722	ug/l	99
79) 2-Chlorotoluene	12.758	91	118729	18.640	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	147612	18.510	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	11798	18.310	ug/l #	83
82) 4-Chlorotoluene	12.855	91	123158	18.844	ug/l	97
83) tert-Butylbenzene	13.075	119	128286	18.056	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	145573	18.745	ug/l	97
85) sec-Butylbenzene	13.257	105	196410	18.729	ug/l	100
86) p-Isopropyltoluene	13.373	119	164416	18.838	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	81714	18.455	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	80309	18.188	ug/l	99
89) n-Butylbenzene	13.696	91	153179	19.076	ug/l	99
90) Hexachloroethane	13.965	117	30289	17.911	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	71692	18.391	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5154	17.067	ug/l	78
93) 1,2,4-Trichlorobenzene	15.013	180	41630	17.831	ug/l	99
94) Hexachlorobutadiene	15.117	225	21430	17.350	ug/l	100
95) Naphthalene	15.239	128	91497	17.729	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	36181	17.910	ug/l	99

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

