

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
 Data File : VY008516.D
 Acq On : 27 Apr 2022 10:53
 Operator : KP/MD
 Sample : VY0427SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0427SBS01

Quant Time: Apr 27 15:28:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/28/2022
 Supervised By : Mahesh Dadoda 05/04/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	91569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	155555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	147113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	73612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	52429	48.662	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.320%		
35) Dibromofluoromethane	7.716	113	48872	48.681	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.360%		
50) Toluene-d8	10.179	98	182851	45.890	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.780%		
62) 4-Bromofluorobenzene	12.483	95	62539	46.263	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	14675	17.648	ug/l	100
3) Chloromethane	2.113	50	28274	21.608	ug/l	95
4) Vinyl Chloride	2.253	62	39291	23.109	ug/l	94
5) Bromomethane	2.644	94	39517	24.997	ug/l	95
6) Chloroethane	2.790	64	26341	23.288	ug/l	100
7) Trichlorofluoromethane	3.125	101	35908	20.387	ug/l	89
8) Diethyl Ether	3.528	74	11787	19.444	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.900	101	21147	20.169	ug/l	97
10) Methyl Iodide	4.088	142	20336	15.915	ug/l	92
11) Tert butyl alcohol	4.960	59	11104	85.713	ug/l #	95
12) 1,1-Dichloroethene	3.875	96	19861	20.065	ug/l	81
13) Acrolein	3.729	56	10459	91.178	ug/l	99
14) Allyl chloride	4.473	41	26400	20.433	ug/l #	86
15) Acrylonitrile	5.161	53	29816	96.197	ug/l	98
16) Acetone	3.942	43	22991	91.615	ug/l	90
17) Carbon Disulfide	4.192	76	56745	18.962	ug/l	97
18) Methyl Acetate	4.473	43	14005	19.900	ug/l #	82
19) Methyl tert-butyl Ether	5.216	73	59977	19.149	ug/l	92
20) Methylene Chloride	4.710	84	28915	18.235	ug/l #	82
21) trans-1,2-Dichloroethene	5.222	96	23667	19.601	ug/l	85
22) Diisopropyl ether	6.113	45	63353	20.305	ug/l #	94
23) Vinyl Acetate	6.058	43	214471	100.262	ug/l #	89
24) 1,1-Dichloroethane	6.015	63	39256	20.213	ug/l	98
25) 2-Butanone	6.984	43	38063	98.040	ug/l #	80
26) 2,2-Dichloropropane	6.978	77	36472	20.276	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	27624	20.001	ug/l	84
28) Bromochloromethane	7.332	49	14602	18.639	ug/l #	78
29) Tetrahydrofuran	7.344	42	24716	98.841	ug/l #	79
30) Chloroform	7.503	83	43171	20.233	ug/l	100
31) Cyclohexane	7.783	56	36288	20.487	ug/l	85
32) 1,1,1-Trichloroethane	7.704	97	37914	20.293	ug/l	96
36) 1,1-Dichloropropene	7.917	75	32671	20.459	ug/l	97
37) Ethyl Acetate	7.076	43	18113	20.509	ug/l #	95
38) Carbon Tetrachloride	7.899	117	34648	20.883	ug/l	94
39) Methylcyclohexane	9.185	83	41969	20.526	ug/l	88
40) Benzene	8.161	78	95915	20.587	ug/l	96

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41) Methacrylonitrile	7.320	41	8684m	20.276	ug/l	
42) 1,2-Dichloroethane	8.234	62	29158	20.788	ug/l	91
43) Isopropyl Acetate	8.271	43	32649	20.101	ug/l #	87
44) Trichloroethene	8.941	130	26246	20.448	ug/l	100
45) 1,2-Dichloropropane	9.216	63	23222	20.757	ug/l	93
46) Dibromomethane	9.307	93	15540	19.826	ug/l	91
47) Bromodichloromethane	9.496	83	34825	20.930	ug/l	98
48) Methyl methacrylate	9.295	41	14706	21.294	ug/l #	81
49) 1,4-Dioxane	9.295	88	3678	372.120	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	87882	102.852	ug/l #	87
52) Toluene	10.246	92	63366	20.567	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	35064	19.651	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	39187	19.818	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	21992	20.557	ug/l	98
56) Ethyl methacrylate	10.508	69	27026	19.565	ug/l #	80
57) 1,3-Dichloropropane	10.789	76	34947	20.011	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	68612	90.633	ug/l	92
59) 2-Hexanone	10.831	43	60160	102.314	ug/l	83
60) Dibromochloromethane	10.984	129	24811	20.186	ug/l	100
61) 1,2-Dibromoethane	11.087	107	20991	19.838	ug/l	100
64) Tetrachloroethene	10.721	164	23212	21.277	ug/l	96
65) Chlorobenzene	11.514	112	70222	21.111	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	25025	20.377	ug/l	98
67) Ethyl Benzene	11.593	91	119862	20.763	ug/l	99
68) m/p-Xylenes	11.703	106	95607	41.345	ug/l	92
69) o-Xylene	12.032	106	45151	20.281	ug/l	91
70) Styrene	12.044	104	76992	20.522	ug/l	93
71) Bromoform	12.209	173	15131	19.660	ug/l #	97
73) Isopropylbenzene	12.331	105	117190	20.997	ug/l	99
74) N-amyl acetate	12.142	43	29109	21.108	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.581	83	25461	20.417	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	20237m	21.243	ug/l	
77) Bromobenzene	12.611	156	27049	19.872	ug/l	97
78) n-propylbenzene	12.672	91	143786	21.478	ug/l	99
79) 2-Chlorotoluene	12.758	91	78544	20.846	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	96588	20.849	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8293	20.195	ug/l	86
82) 4-Chlorotoluene	12.855	91	81964	20.992	ug/l	97
83) tert-Butylbenzene	13.075	119	84634	21.045	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	97851	21.288	ug/l	98
85) sec-Butylbenzene	13.258	105	130838	21.558	ug/l	100
86) p-Isopropyltoluene	13.373	119	108741	21.394	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	55915	20.518	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	55776	20.662	ug/l	99
89) n-Butylbenzene	13.697	91	101285	21.955	ug/l	100
90) Hexachloroethane	13.965	117	20049	21.940	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	50379	20.791	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3840	20.490	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	27863	20.658	ug/l	98
94) Hexachlorobutadiene	15.117	225	14656	22.270	ug/l	97
95) Naphthalene	15.239	128	60764	19.873	ug/l	97
96) 1,2,3-Trichlorobenzene	15.428	180	24976	21.156	ug/l	98

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

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