

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040722\
 Data File : VY008243.D
 Acq On : 07 Apr 2022 13:15
 Operator : SY/MD
 Sample : VY0407SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0407SBS02

Quant Time: Apr 08 02:34:18 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 04/08/2022
 Supervised By : Mahesh Dadoda 04/08/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	139373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	243357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	227666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	64065	45.815	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.640%		
35) Dibromofluoromethane	7.716	113	67404	44.177	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.360%		
50) Toluene-d8	10.179	98	240482	41.835	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	83.660%		
62) 4-Bromofluorobenzene	12.483	95	87002	42.899	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	85.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	25565	20.348	ug/l	99
3) Chloromethane	2.113	50	32481	21.230	ug/l	99
4) Vinyl Chloride	2.253	62	43513	21.376	ug/l	97
5) Bromomethane	2.644	94	37966	22.758	ug/l	97
6) Chloroethane	2.796	64	29356	21.923	ug/l	99
7) Trichlorofluoromethane	3.125	101	51014	19.811	ug/l	97
8) Diethyl Ether	3.528	74	16475	19.757	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.900	101	33081	20.710	ug/l	92
10) Methyl Iodide	4.088	142	32064	18.300	ug/l	89
11) Tert butyl alcohol	4.960	59	13030	89.812	ug/l	96
12) 1,1-Dichloroethene	3.869	96	29672	20.066	ug/l #	79
13) Acrolein	3.729	56	8164	69.135	ug/l	98
14) Allyl chloride	4.485	41	36992	19.013	ug/l #	91
15) Acrylonitrile	5.161	53	38507	96.944	ug/l	98
16) Acetone	3.948	43	28408	88.881	ug/l #	84
17) Carbon Disulfide	4.192	76	81571	19.468	ug/l	100
18) Methyl Acetate	4.479	43	17987	16.546	ug/l #	80
19) Methyl tert-butyl Ether	5.216	73	82084	19.533	ug/l	93
20) Methylene Chloride	4.716	84	38308	20.812	ug/l #	79
21) trans-1,2-Dichloroethene	5.222	96	34782	20.314	ug/l #	81
22) Diisopropyl ether	6.119	45	86245	20.604	ug/l #	89
23) Vinyl Acetate	6.058	43	266086	102.592	ug/l #	89
24) 1,1-Dichloroethane	6.015	63	56383	20.347	ug/l #	95
25) 2-Butanone	6.984	43	45797	94.158	ug/l #	79
26) 2,2-Dichloropropane	6.984	77	51210	19.513	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	39945	20.127	ug/l	81
28) Bromochloromethane	7.332	49	18998	21.163	ug/l #	72
29) Tetrahydrofuran	7.344	42	30437	96.254	ug/l #	73
30) Chloroform	7.503	83	61600	20.529	ug/l	99
31) Cyclohexane	7.783	56	51632	19.754	ug/l #	83
32) 1,1,1-Trichloroethane	7.704	97	54671	19.720	ug/l	93
36) 1,1-Dichloropropene	7.923	75	47123	19.662	ug/l	95
37) Ethyl Acetate	7.076	43	20517	18.325	ug/l #	88
38) Carbon Tetrachloride	7.905	117	48523	18.578	ug/l	95
39) Methylcyclohexane	9.185	83	61521	19.017	ug/l #	85
40) Benzene	8.161	78	135886	19.821	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	10532m	18.734	ug/l	
42) 1,2-Dichloroethane	8.240	62	37595	19.548	ug/l	89
43) Isopropyl Acetate	8.277	43	39517	17.979	ug/l #	84
44) Trichloroethene	8.941	130	38001	19.168	ug/l	100
45) 1,2-Dichloropropane	9.216	63	32139	19.891	ug/l	97
46) Dibromomethane	9.301	93	20752	19.533	ug/l	94
47) Bromodichloromethane	9.496	83	46248	19.037	ug/l	98
48) Methyl methacrylate	9.295	41	17620	18.100	ug/l #	78
49) 1,4-Dioxane	9.301	88	5256	372.157	ug/l #	74
51) 4-Methyl-2-Pentanone	10.069	43	102479	92.444	ug/l #	83
52) Toluene	10.246	92	87924	19.556	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	47580	19.107	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	54132	19.203	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	29782	20.302	ug/l	95
56) Ethyl methacrylate	10.508	69	35750	18.682	ug/l #	72
57) 1,3-Dichloropropane	10.789	76	47501	19.784	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	66687	84.111	ug/l #	89
59) 2-Hexanone	10.831	43	70727	91.178	ug/l	80
60) Dibromochloromethane	10.984	129	33883	18.991	ug/l	100
61) 1,2-Dibromoethane	11.087	107	28474	19.489	ug/l	100
64) Tetrachloroethene	10.721	164	33139	18.952	ug/l	98
65) Chlorobenzene	11.514	112	98000	19.091	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	35709	18.859	ug/l	97
67) Ethyl Benzene	11.593	91	170406	18.940	ug/l	98
68) m/p-Xylenes	11.703	106	134969	37.726	ug/l	91
69) o-Xylene	12.032	106	64369	18.791	ug/l	91
70) Styrene	12.044	104	107032	19.087	ug/l	93
71) Bromoform	12.209	173	20039	17.528	ug/l #	97
73) Isopropylbenzene	12.331	105	169561	18.324	ug/l	99
74) N-amyl acetate	12.142	43	34071	16.750	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.581	83	33338	18.536	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	24356m	17.823	ug/l	
77) Bromobenzene	12.611	156	38964	18.355	ug/l	91
78) n-propylbenzene	12.672	91	203803	18.672	ug/l	98
79) 2-Chlorotoluene	12.758	91	112018	18.501	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	139028	18.340	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	10541	17.210	ug/l #	81
82) 4-Chlorotoluene	12.855	91	114820	18.482	ug/l	96
83) tert-Butylbenzene	13.075	119	123679	18.313	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	137948	18.687	ug/l	97
85) sec-Butylbenzene	13.251	105	187026	18.761	ug/l	99
86) p-Isopropyltoluene	13.367	119	155457	18.738	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	78259	18.594	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	77682	18.508	ug/l	99
89) n-Butylbenzene	13.697	91	142024	18.606	ug/l	99
90) Hexachloroethane	13.965	117	27872	17.339	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	69416	18.733	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4764	16.596	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	39366	17.738	ug/l	99
94) Hexachlorobutadiene	15.117	225	20633	17.574	ug/l	96
95) Naphthalene	15.239	128	83093	16.938	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	34259	17.841	ug/l	99

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

