

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040622\
 Data File : VY008228.D
 Acq On : 06 Apr 2022 12:35
 Operator : SY/MD
 Sample : VY0406SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0406SBS03

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 07 02:10:28 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	148529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	252430	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	224753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	66470	44.605	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.220%		
35) Dibromofluoromethane	7.716	113	73708	46.572	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.140%		
50) Toluene-d8	10.179	98	276575	46.384	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.760%		
62) 4-Bromofluorobenzene	12.483	95	93317	44.359	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	26312	19.651	ug/l	98
3) Chloromethane	2.113	50	34199	20.975	ug/l	94
4) Vinyl Chloride	2.253	62	44951	20.721	ug/l	99
5) Bromomethane	2.643	94	37882	21.308	ug/l	95
6) Chloroethane	2.796	64	29376	20.586	ug/l	100
7) Trichlorofluoromethane	3.125	101	50362	18.352	ug/l	95
8) Diethyl Ether	3.527	74	16861	18.973	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.893	101	32906	19.331	ug/l	91
10) Methyl Iodide	4.088	142	34014	18.224	ug/l	90
11) Tert butyl alcohol	4.948	59	11760	76.061	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	29231	18.549	ug/l #	76
13) Acrolein	3.729	56	8375	66.550	ug/l	98
14) Allyl chloride	4.472	41	37669	18.168	ug/l #	90
15) Acrylonitrile	5.155	53	38963	92.046	ug/l	98
16) Acetone	3.942	43	28662	84.148	ug/l	93
17) Carbon Disulfide	4.192	76	82292	18.429	ug/l	100
18) Methyl Acetate	4.472	43	17416	14.252	ug/l #	77
19) Methyl tert-butyl Ether	5.216	73	81118	18.113	ug/l	93
20) Methylene Chloride	4.716	84	44914	23.417	ug/l #	80
21) trans-1,2-Dichloroethene	5.216	96	35005	19.184	ug/l	84
22) Diisopropyl ether	6.118	45	87367	19.586	ug/l #	91
23) Vinyl Acetate	6.057	43	266040	96.251	ug/l #	87
24) 1,1-Dichloroethane	6.015	63	57302	19.404	ug/l	98
25) 2-Butanone	6.984	43	44081	85.043	ug/l #	76
26) 2,2-Dichloropropane	6.978	77	51155	18.291	ug/l	91
27) cis-1,2-Dichloroethene	6.984	96	40597	19.194	ug/l	81
28) Bromochloromethane	7.332	49	19430	19.906	ug/l #	69
29) Tetrahydrofuran	7.350	42	29776	88.359	ug/l #	76
30) Chloroform	7.502	83	62583	19.571	ug/l	98
31) Cyclohexane	7.783	56	50856	18.257	ug/l	85
32) 1,1,1-Trichloroethane	7.697	97	55158	18.669	ug/l	96
36) 1,1-Dichloropropene	7.911	75	46821	18.833	ug/l	96
37) Ethyl Acetate	7.076	43	20908	18.003	ug/l #	90
38) Carbon Tetrachloride	7.899	117	48589	17.934	ug/l	96
39) Methylcyclohexane	9.185	83	60112	17.914	ug/l #	83
40) Benzene	8.161	78	138315	19.450	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	10942m	18.764	ug/l	
42) 1,2-Dichloroethane	8.240	62	37496	18.796	ug/l	89
43) Isopropyl Acetate	8.270	43	39839	17.474	ug/l #	85
44) Trichloroethene	8.941	130	38480	18.712	ug/l	99
45) 1,2-Dichloropropane	9.215	63	32809	19.576	ug/l	99
46) Dibromomethane	9.301	93	20462	18.568	ug/l	95
47) Bromodichloromethane	9.496	83	46864	18.598	ug/l	98
48) Methyl methacrylate	9.295	41	16790	16.627	ug/l #	76
49) 1,4-Dioxane	9.301	88	4544	310.179	ug/l #	77
51) 4-Methyl-2-Pentanone	10.069	43	100575	87.466	ug/l #	84
52) Toluene	10.246	92	89952	19.288	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	46600	18.041	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	54494	18.637	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	28479	18.716	ug/l	96
56) Ethyl methacrylate	10.508	69	35646	17.959	ug/l #	73
57) 1,3-Dichloropropane	10.788	76	47105	18.914	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	66753	81.168	ug/l	90
59) 2-Hexanone	10.831	43	68480	85.108	ug/l	80
60) Dibromochloromethane	10.983	129	33169	17.923	ug/l	100
61) 1,2-Dibromoethane	11.087	107	28187	18.599	ug/l	100
64) Tetrachloroethene	10.721	164	32908	19.064	ug/l	97
65) Chlorobenzene	11.514	112	97917	19.322	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	34936	18.689	ug/l	97
67) Ethyl Benzene	11.593	91	172011	19.366	ug/l	99
68) m/p-Xylenes	11.703	106	137313	38.878	ug/l	89
69) o-Xylene	12.032	106	64655	19.120	ug/l	91
70) Styrene	12.044	104	106906	19.312	ug/l	94
71) Bromoform	12.209	173	19432	17.217	ug/l #	97
73) Isopropylbenzene	12.331	105	169992	18.729	ug/l	100
74) N-amyl acetate	12.142	43	33482	16.782	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.581	83	33543	19.014	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	28575m	21.318	ug/l	
77) Bromobenzene	12.611	156	38496	18.488	ug/l	93
78) n-propylbenzene	12.672	91	204682	19.119	ug/l	98
79) 2-Chlorotoluene	12.757	91	112807	18.995	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	140697	18.922	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	9943	16.550	ug/l #	84
82) 4-Chlorotoluene	12.855	91	116095	19.052	ug/l	96
83) tert-Butylbenzene	13.075	119	123685	18.671	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	137930	19.049	ug/l	97
85) sec-Butylbenzene	13.251	105	188047	19.232	ug/l	99
86) p-Isopropyltoluene	13.373	119	155627	19.125	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	80195	19.426	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	78756	19.130	ug/l	99
89) n-Butylbenzene	13.696	91	144076	19.243	ug/l	99
90) Hexachloroethane	13.958	117	27406	17.382	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	70013	19.263	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4658	16.543	ug/l	77
93) 1,2,4-Trichlorobenzene	15.007	180	40797	18.741	ug/l	100
94) Hexachlorobutadiene	15.117	225	21768	18.902	ug/l	99
95) Naphthalene	15.239	128	84054	17.468	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	35265	18.723	ug/l	98

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

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