

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051022\
 Data File : VY008672.D
 Acq On : 10 May 2022 11:46
 Operator : KP/MD
 Sample : VY0510SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0510SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/11/2022
 Supervised By : Mahesh Dadoda 05/11/2022

Quant Time: May 10 15:57:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050922S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 09 19:21:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	255873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	396210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	366797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	183817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	103644	47.273	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.540%		
35) Dibromofluoromethane	7.716	113	113969	46.678	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.360%		
50) Toluene-d8	10.179	98	403328	46.876	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.760%		
62) 4-Bromofluorobenzene	12.483	95	143090	46.225	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	24538	18.348	ug/l	100
3) Chloromethane	2.119	50	28926	17.569	ug/l	98
4) Vinyl Chloride	2.259	62	40037	19.154	ug/l	100
5) Bromomethane	2.656	94	30547	18.184	ug/l	97
6) Chloroethane	2.796	64	25643	17.879	ug/l	99
7) Trichlorofluoromethane	3.125	101	49382	19.524	ug/l	92
8) Diethyl Ether	3.521	74	30875	19.296	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.905	101	47256	18.259	ug/l	94
10) Methyl Iodide	4.088	142	80232	18.679	ug/l #	87
11) Tert butyl alcohol	4.948	59	22804	114.045	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	48889	18.253	ug/l #	80
13) Acrolein	3.729	56	25025	115.587	ug/l	98
14) Allyl chloride	4.479	41	62575	18.059	ug/l #	85
15) Acrylonitrile	5.155	53	70411	98.200	ug/l	98
16) Acetone	3.942	43	51467	99.500	ug/l #	80
17) Carbon Disulfide	4.192	76	134811	18.978	ug/l	98
18) Methyl Acetate	4.472	43	34432	21.561	ug/l #	79
19) Methyl tert-butyl Ether	5.216	73	94243	19.087	ug/l	92
20) Methylene Chloride	4.704	84	61883	19.700	ug/l #	75
21) trans-1,2-Dichloroethene	5.216	96	54272	18.028	ug/l #	82
22) Diisopropyl ether	6.112	45	139694	18.624	ug/l #	92
23) Vinyl Acetate	6.058	43	470313	99.268	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	88554	18.387	ug/l	96
25) 2-Butanone	6.978	43	86504	101.736	ug/l #	77
26) 2,2-Dichloropropane	6.978	77	59842	18.587	ug/l	88
27) cis-1,2-Dichloroethene	6.978	96	63102	18.542	ug/l	78
28) Bromochloromethane	7.332	49	31981	18.726	ug/l #	65
29) Tetrahydrofuran	7.344	42	57914	101.914	ug/l #	77
30) Chloroform	7.502	83	93575	18.373	ug/l	98
31) Cyclohexane	7.783	56	77968	17.977	ug/l #	80
32) 1,1,1-Trichloroethane	7.697	97	77245	18.506	ug/l	92
36) 1,1-Dichloropropene	7.917	75	72174	18.398	ug/l	94
37) Ethyl Acetate	7.070	43	39665	20.335	ug/l #	88
38) Carbon Tetrachloride	7.899	117	74345	18.737	ug/l	99
39) Methylcyclohexane	9.179	83	92487	18.229	ug/l	86
40) Benzene	8.161	78	212403	18.635	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	21426m	20.379	ug/l	
42) 1,2-Dichloroethane	8.234	62	56949	19.275	ug/l	88
43) Isopropyl Acetate	8.271	43	70963	20.027	ug/l #	84
44) Trichloroethene	8.935	130	62402	18.760	ug/l	92
45) 1,2-Dichloropropane	9.216	63	53442	19.218	ug/l	96
46) Dibromomethane	9.301	93	32894	18.899	ug/l	92
47) Bromodichloromethane	9.496	83	73662	18.954	ug/l	99
48) Methyl methacrylate	9.289	41	31000	20.097	ug/l #	73
49) 1,4-Dioxane	9.301	88	8879	421.863	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	194064	104.715	ug/l #	83
52) Toluene	10.246	92	138722	18.695	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	81640	19.548	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	90333	18.954	ug/l #	76
55) 1,1,2-Trichloroethane	10.642	97	47889	19.294	ug/l	97
56) Ethyl methacrylate	10.508	69	61712	19.648	ug/l #	71
57) 1,3-Dichloropropane	10.788	76	78861	19.424	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	151381	97.338	ug/l	90
59) 2-Hexanone	10.831	43	134096	105.645	ug/l	80
60) Dibromochloromethane	10.983	129	57362	19.032	ug/l	97
61) 1,2-Dibromoethane	11.087	107	48329	19.759	ug/l	99
64) Tetrachloroethene	10.721	164	52451	18.346	ug/l	94
65) Chlorobenzene	11.514	112	154277	18.802	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	56477	18.534	ug/l	96
67) Ethyl Benzene	11.593	91	259671	18.416	ug/l	96
68) m/p-Xylenes	11.703	106	209932	37.210	ug/l	90
69) o-Xylene	12.032	106	100236	18.728	ug/l	88
70) Styrene	12.044	104	167559	18.855	ug/l	92
71) Bromoform	12.209	173	38214	19.458	ug/l #	99
73) Isopropylbenzene	12.331	105	255090	18.164	ug/l	98
74) N-amyl acetate	12.142	43	62856	19.934	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	58794	20.002	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	42742m	20.627	ug/l	
77) Bromobenzene	12.611	156	65466	18.632	ug/l	89
78) n-propylbenzene	12.672	91	308712	18.489	ug/l	96
79) 2-Chlorotoluene	12.758	91	172220	18.644	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	211778	18.619	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	21025	20.187	ug/l #	78
82) 4-Chlorotoluene	12.855	91	176965	18.475	ug/l	94
83) tert-Butylbenzene	13.075	119	189151	18.537	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	211324	18.813	ug/l	96
85) sec-Butylbenzene	13.257	105	281315	18.653	ug/l	98
86) p-Isopropyltoluene	13.367	119	234128	18.682	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	127304	18.730	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	127084	18.857	ug/l	98
89) n-Butylbenzene	13.696	91	214875	18.735	ug/l	98
90) Hexachloroethane	13.965	117	44714	18.377	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	114871	19.054	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8948	20.568	ug/l	64
93) 1,2,4-Trichlorobenzene	15.007	180	74575	19.364	ug/l	100
94) Hexachlorobutadiene	15.111	225	40698	19.285	ug/l	100
95) Naphthalene	15.239	128	160738	20.401	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	66661	19.641	ug/l	99

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

