

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101222\
 Data File : VY010933.D
 Acq On : 12 Oct 2022 11:54
 Operator : KP/MD
 Sample : VY1012SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1012SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/13/2022
 Supervised By :Mahesh Dadoda 10/13/2022

Quant Time: Oct 13 05:33:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	244355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	398876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	356645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	176101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123332	49.794	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.580%		
35) Dibromofluoromethane	7.716	113	122396	46.226	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.460%		
50) Toluene-d8	10.179	98	469765	51.879	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.760%		
62) 4-Bromofluorobenzene	12.477	95	158853	44.498	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	36857	21.772	ug/l	99
3) Chloromethane	2.113	50	54778	19.455	ug/l	94
4) Vinyl Chloride	2.247	62	62877	18.545	ug/l	98
5) Bromomethane	2.637	94	42854	17.813	ug/l	95
6) Chloroethane	2.784	64	41851	18.522	ug/l	95
7) Trichlorofluoromethane	3.119	101	91184	22.084	ug/l	94
8) Diethyl Ether	3.528	74	30564	23.010	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.893	101	55844	23.591	ug/l	94
10) Methyl Iodide	4.082	142	61654	19.483	ug/l	92
11) Tert butyl alcohol	4.948	59	35518	138.570	ug/l	98
12) 1,1-Dichloroethene	3.869	96	52684	22.805	ug/l	83
13) Acrolein	3.729	56	19401	105.197	ug/l	97
14) Allyl chloride	4.472	41	82426	23.834	ug/l #	88
15) Acrylonitrile	5.161	53	82235	127.079	ug/l	98
16) Acetone	3.942	43	66308	105.409	ug/l #	88
17) Carbon Disulfide	4.186	76	163737	21.931	ug/l	100
18) Methyl Acetate	4.472	43	44669	27.799	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	136148	22.513	ug/l	96
20) Methylene Chloride	4.710	84	73585	23.976	ug/l #	84
21) trans-1,2-Dichloroethene	5.216	96	59655	22.114	ug/l	89
22) Diisopropyl ether	6.112	45	179054	23.608	ug/l	95
23) Vinyl Acetate	6.051	43	521982	113.616	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	107085	23.185	ug/l	99
25) 2-Butanone	6.984	43	105162	116.279	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	93412	21.306	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	66714	22.284	ug/l	90
28) Bromochloromethane	7.332	49	22062	16.397	ug/l	93
29) Tetrahydrofuran	7.344	42	67731	127.354	ug/l	88
30) Chloroform	7.502	83	109383	22.948	ug/l	98
31) Cyclohexane	7.783	56	98910	22.310	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	96678	22.515	ug/l	97
36) 1,1-Dichloropropene	7.917	75	84899	22.211	ug/l	98
37) Ethyl Acetate	7.070	43	45536	24.277	ug/l #	94
38) Carbon Tetrachloride	7.899	117	86139	21.637	ug/l	97
39) Methylcyclohexane	9.179	83	100271	21.357	ug/l	93
40) Benzene	8.155	78	244401	22.197	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	20915m	20.636	ug/l	
42) 1,2-Dichloroethane	8.234	62	68412	21.977	ug/l	92
43) Isopropyl Acetate	8.271	43	79456	23.405	ug/l #	90
44) Trichloroethene	8.935	130	64963	21.790	ug/l	98
45) 1,2-Dichloropropane	9.209	63	61972	23.347	ug/l	94
46) Dibromomethane	9.301	93	34347	22.622	ug/l	94
47) Bromodichloromethane	9.496	83	82002	22.380	ug/l	99
48) Methyl methacrylate	9.289	41	35632	22.347	ug/l #	81
49) 1,4-Dioxane	9.295	88	9021	482.663	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	224735	120.999	ug/l	90
52) Toluene	10.240	92	152902	21.820	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	82414	21.725	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	95654	22.019	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	48823	22.917	ug/l	98
56) Ethyl methacrylate	10.508	69	61507	22.470	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	83597	23.080	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	106637	93.743	ug/l	98
59) 2-Hexanone	10.831	43	154184	119.859	ug/l	88
60) Dibromochloromethane	10.983	129	56538	22.134	ug/l	98
61) 1,2-Dibromoethane	11.087	107	46140	22.714	ug/l	100
64) Tetrachloroethene	10.715	164	62759	22.194	ug/l	97
65) Chlorobenzene	11.514	112	161986	21.933	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	58641	21.722	ug/l	97
67) Ethyl Benzene	11.593	91	289891	21.810	ug/l	98
68) m/p-Xylenes	11.703	106	224492	43.157	ug/l	96
69) o-Xylene	12.026	106	104667	21.521	ug/l	94
70) Styrene	12.044	104	179604	21.912	ug/l	96
71) Bromoform	12.209	173	35960	22.379	ug/l #	99
73) Isopropylbenzene	12.325	105	280448	21.663	ug/l	99
74) N-amyl acetate	12.142	43	68004	22.856	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	58766	24.296	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	42323m	23.732	ug/l	
77) Bromobenzene	12.605	156	64653	21.770	ug/l	99
78) n-propylbenzene	12.666	91	350907	22.256	ug/l	100
79) 2-Chlorotoluene	12.751	91	193565	21.943	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	242469	22.144	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	19529	22.875	ug/l	88
82) 4-Chlorotoluene	12.855	91	202410	21.944	ug/l	99
83) tert-Butylbenzene	13.075	119	204334	21.889	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	238911	22.192	ug/l	99
85) sec-Butylbenzene	13.251	105	310976	22.130	ug/l	100
86) p-Isopropyltoluene	13.367	119	257072	21.805	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	131177	21.762	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	129322	21.666	ug/l	98
89) n-Butylbenzene	13.696	91	241448	22.256	ug/l	99
90) Hexachloroethane	13.959	117	50603	22.440	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	117072	22.283	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9235	23.744	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	67043	21.748	ug/l	99
94) Hexachlorobutadiene	15.111	225	41119	21.633	ug/l	98
95) Naphthalene	15.233	128	132440	22.542	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	58509	22.265	ug/l	98

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

