

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY093022\
 Data File : VY010747.D
 Acq On : 30 Sep 2022 14:23
 Operator : KP/MD
 Sample : VY0930SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0930SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/03/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 01 06:17:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

Supervised By :Mahesh
 Dadoda
 10/05/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	277405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	441077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	392097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	192518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	125597	47.336	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.680%		
35) Dibromofluoromethane	7.716	113	124319	44.164	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.320%		
50) Toluene-d8	10.179	98	470331	45.508	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.020%		
62) 4-Bromofluorobenzene	12.477	95	160464	41.078	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	82.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	29943	19.799	ug/l	100
3) Chloromethane	2.113	50	42187	19.580	ug/l	97
4) Vinyl Chloride	2.247	62	55660	20.582	ug/l	99
5) Bromomethane	2.638	94	41168	22.041	ug/l	98
6) Chloroethane	2.784	64	39566	20.247	ug/l	97
7) Trichlorofluoromethane	3.119	101	75159	20.620	ug/l	93
8) Diethyl Ether	3.522	74	24398	19.522	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.893	101	44039	20.075	ug/l	96
10) Methyl Iodide	4.088	142	50155	19.791	ug/l	92
11) Tert butyl alcohol	4.948	59	31364	126.587	ug/l	97
12) 1,1-Dichloroethene	3.863	96	39794	20.315	ug/l	81
13) Acrolein	3.723	56	7895	63.964	ug/l	99
14) Allyl chloride	4.473	41	59608	20.184	ug/l #	94
15) Acrylonitrile	5.161	53	62540	96.414	ug/l	98
16) Acetone	3.942	43	52364	96.777	ug/l #	89
17) Carbon Disulfide	4.186	76	90783	21.062	ug/l	99
18) Methyl Acetate	4.473	43	36366	22.628	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	116822	19.129	ug/l	95
20) Methylene Chloride	4.710	84	55227	9.587	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	43818	19.878	ug/l	85
22) Diisopropyl ether	6.113	45	139354	19.990	ug/l #	94
23) Vinyl Acetate	6.058	43	388823	94.416	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	84495	20.195	ug/l	98
25) 2-Butanone	6.978	43	80980	95.684	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	83815	20.832	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	54850	19.973	ug/l	90
28) Bromochloromethane	7.326	49	20107	14.296	ug/l #	84
29) Tetrahydrofuran	7.344	42	48664	93.618	ug/l #	84
30) Chloroform	7.503	83	91518	20.218	ug/l	98
31) Cyclohexane	7.783	56	69070	21.100	ug/l #	90
32) 1,1,1-Trichloroethane	7.704	97	81024	20.112	ug/l	97
36) 1,1-Dichloropropene	7.917	75	64164	20.457	ug/l	98
37) Ethyl Acetate	7.070	43	35015	19.328	ug/l #	95
38) Carbon Tetrachloride	7.899	117	72399	20.075	ug/l	96
39) Methylcyclohexane	9.179	83	73339	19.978	ug/l	90
40) Benzene	8.155	78	190242	20.346	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	19082m	20.651	ug/l	
42) 1,2-Dichloroethane	8.234	62	58302	20.249	ug/l	93
43) Isopropyl Acetate	8.271	43	61873	18.632	ug/l #	88
44) Trichloroethene	8.935	130	52918	19.770	ug/l	99
45) 1,2-Dichloropropane	9.216	63	47489	19.633	ug/l	94
46) Dibromomethane	9.301	93	27214	19.158	ug/l	97
47) Bromodichloromethane	9.496	83	69460	19.804	ug/l	98
48) Methyl methacrylate	9.289	41	27109	18.493	ug/l #	82
49) 1,4-Dioxane	9.295	88	7245	346.850	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	174676	93.168	ug/l	89
52) Toluene	10.240	92	121984	19.939	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	69100	19.484	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	77714	19.655	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	40250	19.264	ug/l	96
56) Ethyl methacrylate	10.508	69	49781	18.392	ug/l #	80
57) 1,3-Dichloropropane	10.789	76	66839	19.312	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	102008	81.595	ug/l	95
59) 2-Hexanone	10.831	43	118052	92.898	ug/l	88
60) Dibromochloromethane	10.984	129	49675	19.428	ug/l	98
61) 1,2-Dibromoethane	11.087	107	37521	19.182	ug/l	100
64) Tetrachloroethene	10.715	164	51104	19.511	ug/l	99
65) Chlorobenzene	11.514	112	133391	19.674	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	51614	19.540	ug/l	98
67) Ethyl Benzene	11.587	91	234989	19.737	ug/l	99
68) m/p-Xylenes	11.697	106	181547	39.362	ug/l	95
69) o-Xylene	12.026	106	86846	19.313	ug/l	94
70) Styrene	12.044	104	147076	19.253	ug/l	95
71) Bromoform	12.203	173	31046	18.928	ug/l #	100
73) Isopropylbenzene	12.325	105	234816	19.736	ug/l	99
74) N-amyl acetate	12.142	43	52478	18.189	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	46819	19.311	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	39272m	21.373	ug/l	
77) Bromobenzene	12.605	156	54822	19.365	ug/l	95
78) n-propylbenzene	12.666	91	280706	19.807	ug/l	98
79) 2-Chlorotoluene	12.752	91	159914	19.803	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	201677	20.061	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	15052	18.214	ug/l	91
82) 4-Chlorotoluene	12.849	91	163311	19.585	ug/l	98
83) tert-Butylbenzene	13.075	119	177494	19.741	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	200089	20.034	ug/l	99
85) sec-Butylbenzene	13.252	105	257408	19.548	ug/l	100
86) p-Isopropyltoluene	13.367	119	214226	19.468	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	110248	19.187	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	108955	19.159	ug/l	98
89) n-Butylbenzene	13.690	91	199199	19.720	ug/l	100
90) Hexachloroethane	13.959	117	42140	19.946	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	97958	19.138	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7567	18.703	ug/l	84
93) 1,2,4-Trichlorobenzene	15.001	180	57869	18.534	ug/l	98
94) Hexachlorobutadiene	15.105	225	36012	18.976	ug/l	98
95) Naphthalene	15.233	128	113278	18.005	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	49822	18.325	ug/l	98

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

