

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091322\
 Data File : VY010455.D
 Acq On : 13 Sep 2022 13:47
 Operator : KP/MD
 Sample : VY0913SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0913SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/14/2022
 Supervised By :Mahesh Dadoda 09/14/2022

Quant Time: Sep 14 05:22:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	217140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	347198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	310478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	158430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	123834	56.624	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.240%			
35) Dibromofluoromethane	7.710	113	117548	47.671	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.340%			
50) Toluene-d8	10.173	98	439896	55.045	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.080%			
62) 4-Bromofluorobenzene	12.477	95	155164	48.841	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	43591	27.296	ug/l	99
3) Chloromethane	2.107	50	63434	26.002	ug/l	95
4) Vinyl Chloride	2.241	62	75992	25.249	ug/l	99
5) Bromomethane	2.631	94	47437	22.497	ug/l	92
6) Chloroethane	2.778	64	48332	24.008	ug/l	99
7) Trichlorofluoromethane	3.107	101	92135	24.167	ug/l	92
8) Diethyl Ether	3.522	74	28438	23.032	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.881	101	52135	23.356	ug/l	95
10) Methyl Iodide	4.076	142	60690	21.972	ug/l	92
11) Tert butyl alcohol	4.948	59	37326	144.938	ug/l	99
12) 1,1-Dichloroethene	3.857	96	48370	23.099	ug/l	90
13) Acrolein	3.717	56	21163	101.435	ug/l	98
14) Allyl chloride	4.466	41	72752	24.126	ug/l #	95
15) Acrylonitrile	5.149	53	73696	123.297	ug/l	98
16) Acetone	3.942	43	61410	122.359	ug/l	92
17) Carbon Disulfide	4.180	76	137148	24.219	ug/l	99
18) Methyl Acetate	4.466	43	39985	25.897	ug/l #	89
19) Methyl tert-butyl Ether	5.210	73	134686	23.291	ug/l	98
20) Methylene Chloride	4.698	84	74561	27.602	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	53967	22.698	ug/l	87
22) Diisopropyl ether	6.106	45	160186	23.795	ug/l #	94
23) Vinyl Acetate	6.045	43	488900	118.506	ug/l #	93
24) 1,1-Dichloroethane	6.003	63	96394	23.652	ug/l	99
25) 2-Butanone	6.978	43	102688	128.746	ug/l #	85
26) 2,2-Dichloropropane	6.972	77	94213	24.225	ug/l	100
27) cis-1,2-Dichloroethene	6.972	96	62831	22.734	ug/l	93
28) Bromochloromethane	7.326	49	24858	19.023	ug/l	86
29) Tetrahydrofuran	7.338	42	61636	123.817	ug/l #	84
30) Chloroform	7.496	83	100991	23.361	ug/l	93
31) Cyclohexane	7.777	56	87754	23.752	ug/l	92
32) 1,1,1-Trichloroethane	7.691	97	90676	23.164	ug/l	97
36) 1,1-Dichloropropene	7.905	75	77324	22.906	ug/l	99
37) Ethyl Acetate	7.064	43	43328	24.416	ug/l #	94
38) Carbon Tetrachloride	7.893	117	82080	21.855	ug/l	99
39) Methylcyclohexane	9.179	83	93981	22.328	ug/l	90
40) Benzene	8.155	78	220259	22.666	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	19171m	18.897	ug/l	
42) 1,2-Dichloroethane	8.228	62	66461	22.999	ug/l	94
43) Isopropyl Acetate	8.265	43	76960	23.697	ug/l #	91
44) Trichloroethene	8.935	130	61872	21.630	ug/l	99
45) 1,2-Dichloropropane	9.210	63	54215	22.876	ug/l	96
46) Dibromomethane	9.301	93	32425	22.687	ug/l	96
47) Bromodichloromethane	9.490	83	76428	22.513	ug/l	100
48) Methyl methacrylate	9.289	41	33956	23.280	ug/l #	85
49) 1,4-Dioxane	9.295	88	8051	425.544	ug/l #	89
51) 4-Methyl-2-Pentanone	10.063	43	212800	119.459	ug/l	90
52) Toluene	10.240	92	141699	22.283	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	76924	22.019	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	87929	22.315	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	44510	21.893	ug/l	98
56) Ethyl methacrylate	10.508	69	59560	22.307	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	76941	22.760	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	121480	154.555	ug/l	93
59) 2-Hexanone	10.831	43	145735	120.018	ug/l	88
60) Dibromochloromethane	10.977	129	54268	21.843	ug/l	99
61) 1,2-Dibromoethane	11.087	107	43603	22.093	ug/l	99
64) Tetrachloroethene	10.715	164	60710	21.694	ug/l	98
65) Chlorobenzene	11.514	112	150595	21.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	56259	21.877	ug/l	98
67) Ethyl Benzene	11.587	91	270130	21.982	ug/l	97
68) m/p-Xylenes	11.697	106	213580	44.271	ug/l	92
69) o-Xylene	12.026	106	99308	21.558	ug/l	93
70) Styrene	12.038	104	170353	21.849	ug/l	95
71) Bromoform	12.203	173	34074	21.193	ug/l #	100
73) Isopropylbenzene	12.325	105	265330	21.465	ug/l	100
74) N-amyl acetate	12.142	43	66929	23.206	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	52715	22.797	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	38613m	22.083	ug/l	
77) Bromobenzene	12.605	156	62231	21.246	ug/l	95
78) n-propylbenzene	12.666	91	321820	21.986	ug/l	98
79) 2-Chlorotoluene	12.752	91	179235	21.798	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	228272	21.887	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	17027	21.622	ug/l	93
82) 4-Chlorotoluene	12.849	91	185058	21.634	ug/l	98
83) tert-Butylbenzene	13.069	119	199002	21.830	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	222152	21.769	ug/l	97
85) sec-Butylbenzene	13.251	105	291906	21.625	ug/l	99
86) p-Isopropyltoluene	13.367	119	243612	21.336	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	124673	21.196	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	124937	21.451	ug/l	99
89) n-Butylbenzene	13.697	91	223462	21.561	ug/l	98
90) Hexachloroethane	13.959	117	45461	21.206	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	111177	21.341	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8967	22.974	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	66910	20.680	ug/l	99
94) Hexachlorobutadiene	15.111	225	39758	20.365	ug/l	97
95) Naphthalene	15.233	128	137948	21.616	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	57616	20.399	ug/l	99

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

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