

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101822\
 Data File : VY010985.D
 Acq On : 18 Oct 2022 11:06
 Operator : KP/MD
 Sample : VY1018SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1018SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/19/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 18 15:22:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	276454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	454024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	406480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	195502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	126263	49.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.160%		
35) Dibromofluoromethane	7.716	113	125776	49.683	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.360%		
50) Toluene-d8	10.178	98	469652	49.541	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.080%		
62) 4-Bromofluorobenzene	12.483	95	163883	48.724	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36905	20.125	ug/l	100
3) Chloromethane	2.113	50	54286	20.635	ug/l	95
4) Vinyl Chloride	2.247	62	61416	20.597	ug/l	99
5) Bromomethane	2.637	94	42555	20.634	ug/l	95
6) Chloroethane	2.790	64	41144	20.648	ug/l	98
7) Trichlorofluoromethane	3.125	101	91133	20.881	ug/l	99
8) Diethyl Ether	3.527	74	32486	19.946	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	56094	20.490	ug/l	94
10) Methyl Iodide	4.088	142	64121	19.141	ug/l	90
11) Tert butyl alcohol	4.948	59	37630	119.977	ug/l	99
12) 1,1-Dichloroethene	3.869	96	54037	20.605	ug/l	86
13) Acrolein	3.722	56	41871	101.992	ug/l	98
14) Allyl chloride	4.472	41	85511	20.562	ug/l #	87
15) Acrylonitrile	5.161	53	89549	105.480	ug/l	98
16) Acetone	3.942	43	75849	102.566	ug/l #	89
17) Carbon Disulfide	4.192	76	159053	20.688	ug/l	98
18) Methyl Acetate	4.478	43	49690	22.325	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	149703	20.431	ug/l	98
20) Methylene Chloride	4.710	84	70596	17.843	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	61891	20.905	ug/l	88
22) Diisopropyl ether	6.118	45	187288	21.028	ug/l	92
23) Vinyl Acetate	6.057	43	555665	104.328	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	111402	20.716	ug/l	98
25) 2-Butanone	6.984	43	115269	102.783	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	96285	20.163	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	69829	20.465	ug/l	89
28) Bromochloromethane	7.331	49	22980	14.731	ug/l	90
29) Tetrahydrofuran	7.344	42	74286	107.662	ug/l #	86
30) Chloroform	7.502	83	113224	20.887	ug/l	99
31) Cyclohexane	7.783	56	100610	20.646	ug/l	89
32) 1,1,1-Trichloroethane	7.703	97	98985	20.773	ug/l	96
36) 1,1-Dichloropropene	7.917	75	85628	20.260	ug/l	97
37) Ethyl Acetate	7.069	43	49982	21.360	ug/l #	93
38) Carbon Tetrachloride	7.898	117	88908	20.378	ug/l	98
39) Methylcyclohexane	9.185	83	102480	20.244	ug/l	93
40) Benzene	8.161	78	253337	20.428	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	26285m	20.728	ug/l	
42) 1,2-Dichloroethane	8.234	62	70624	20.553	ug/l	91
43) Isopropyl Acetate	8.270	43	84896	20.306	ug/l #	89
44) Trichloroethene	8.935	130	66425	19.766	ug/l	98
45) 1,2-Dichloropropane	9.215	63	63532	20.191	ug/l	97
46) Dibromomethane	9.301	93	36453	20.772	ug/l	96
47) Bromodichloromethane	9.496	83	87009	20.574	ug/l	99
48) Methyl methacrylate	9.288	41	40054	21.407	ug/l #	82
49) 1,4-Dioxane	9.294	88	10399	412.420	ug/l #	91
51) 4-Methyl-2-Pentanone	10.069	43	246265	105.619	ug/l	89
52) Toluene	10.246	92	157914	20.497	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	88362	20.112	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	101995	20.287	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	52244	20.636	ug/l	99
56) Ethyl methacrylate	10.508	69	68089	20.249	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	88971	20.439	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	119483	83.906	ug/l	98
59) 2-Hexanone	10.831	43	171177	106.877	ug/l	86
60) Dibromochloromethane	10.983	129	61310	20.366	ug/l	100
61) 1,2-Dibromoethane	11.087	107	49323	20.344	ug/l	99
64) Tetrachloroethene	10.721	164	64509	20.387	ug/l	98
65) Chlorobenzene	11.514	112	169051	20.257	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	61684	19.970	ug/l	97
67) Ethyl Benzene	11.593	91	298893	20.245	ug/l	98
68) m/p-Xylenes	11.703	106	231301	40.727	ug/l	96
69) o-Xylene	12.026	106	109705	20.343	ug/l	94
70) Styrene	12.044	104	185386	20.288	ug/l	95
71) Bromoform	12.209	173	39068	20.494	ug/l #	99
73) Isopropylbenzene	12.331	105	291135	20.497	ug/l	99
74) N-amyl acetate	12.142	43	73516	20.400	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	62327	20.909	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	55839m	25.158	ug/l	
77) Bromobenzene	12.605	156	67527	20.339	ug/l	99
78) n-propylbenzene	12.672	91	354794	20.531	ug/l	99
79) 2-Chlorotoluene	12.757	91	199212	20.469	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	247815	20.911	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	21639	20.968	ug/l	85
82) 4-Chlorotoluene	12.855	91	207072	20.435	ug/l	99
83) tert-Butylbenzene	13.074	119	210102	20.502	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	244784	20.947	ug/l	99
85) sec-Butylbenzene	13.251	105	319723	20.762	ug/l	100
86) p-Isopropyltoluene	13.367	119	261021	20.432	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	134443	20.290	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	136069	20.653	ug/l	98
89) n-Butylbenzene	13.696	91	246262	20.629	ug/l	100
90) Hexachloroethane	13.958	117	51877	20.576	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	121130	20.432	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9781	19.845	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	69998	19.756	ug/l	99
94) Hexachlorobutadiene	15.111	225	42849	20.546	ug/l	99
95) Naphthalene	15.239	128	144651	20.047	ug/l	98
96) 1,2,3-Trichlorobenzene	15.421	180	61447	19.879	ug/l	99

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

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