

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100322\
 Data File : VY010769.D
 Acq On : 03 Oct 2022 16:27
 Operator : KP/MD
 Sample : VY1003SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1003SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/04/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 04 07:30:18 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	258381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	410770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	366437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	177975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	129635	49.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.000%		
35) Dibromofluoromethane	7.716	113	121742	44.648	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.300%		
50) Toluene-d8	10.179	98	494355	53.014	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.020%		
62) 4-Bromofluorobenzene	12.477	95	162566	44.195	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36911	20.620	ug/l	98
3) Chloromethane	2.113	50	61596	20.689	ug/l	97
4) Vinyl Chloride	2.247	62	70980	19.799	ug/l	99
5) Bromomethane	2.643	94	51560	20.268	ug/l	99
6) Chloroethane	2.790	64	47814	20.012	ug/l	98
7) Trichlorofluoromethane	3.125	101	88362	20.239	ug/l	96
8) Diethyl Ether	3.527	74	27675	19.704	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	49878	19.927	ug/l	96
10) Methyl Iodide	4.088	142	59764	17.861	ug/l	91
11) Tert butyl alcohol	4.936	59	39073	147.852	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	49119	20.107	ug/l #	78
13) Acrolein	3.729	56	21886	113.261	ug/l	99
14) Allyl chloride	4.472	41	70533	19.288	ug/l #	94
15) Acrylonitrile	5.161	53	66363	96.985	ug/l	99
16) Acetone	3.942	43	57130	85.889	ug/l	96
17) Carbon Disulfide	4.192	76	156416	19.814	ug/l	100
18) Methyl Acetate	4.472	43	32879	19.351	ug/l #	89
19) Methyl tert-butyl Ether	5.222	73	123312	19.283	ug/l	95
20) Methylene Chloride	4.710	84	63189	18.376	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	55520	19.464	ug/l	87
22) Diisopropyl ether	6.118	45	153856	19.184	ug/l	95
23) Vinyl Acetate	6.057	43	464043	95.522	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	94800	19.411	ug/l	98
25) 2-Butanone	6.984	43	87322	91.312	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	87734	18.925	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	61997	19.584	ug/l	90
28) Bromochloromethane	7.332	49	19641	14.550	ug/l	87
29) Tetrahydrofuran	7.344	42	55059	97.907	ug/l #	86
30) Chloroform	7.502	83	97453	19.335	ug/l	99
31) Cyclohexane	7.783	56	90261	19.254	ug/l #	86
32) 1,1,1-Trichloroethane	7.697	97	89199	19.645	ug/l	97
36) 1,1-Dichloropropene	7.917	75	77208	19.614	ug/l	97
37) Ethyl Acetate	7.069	43	38980	20.180	ug/l #	95
38) Carbon Tetrachloride	7.899	117	82906	20.222	ug/l	99
39) Methylcyclohexane	9.179	83	95670	19.787	ug/l	90
40) Benzene	8.155	78	222464	19.619	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	19841m	19.213	ug/l	
42) 1,2-Dichloroethane	8.234	62	64270	20.049	ug/l	93
43) Isopropyl Acetate	8.270	43	67096	19.192	ug/l #	88
44) Trichloroethene	8.935	130	61243	19.947	ug/l	99
45) 1,2-Dichloropropane	9.215	63	52224	19.105	ug/l	92
46) Dibromomethane	9.307	93	30887	19.754	ug/l	96
47) Bromodichloromethane	9.496	83	74553	19.758	ug/l	99
48) Methyl methacrylate	9.289	41	31318	19.072	ug/l #	86
49) 1,4-Dioxane	9.295	88	8009	416.109	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	186778	97.651	ug/l	90
52) Toluene	10.246	92	141583	19.619	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	74633	19.104	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	86646	19.368	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	42772	19.496	ug/l	98
56) Ethyl methacrylate	10.508	69	54677	19.397	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	72797	19.516	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	97982	86.420	ug/l	95
59) 2-Hexanone	10.831	43	125833	94.988	ug/l	88
60) Dibromochloromethane	10.983	129	52332	19.894	ug/l	100
61) 1,2-Dibromoethane	11.087	107	41606	19.889	ug/l	99
64) Tetrachloroethene	10.721	164	59483	20.473	ug/l	99
65) Chlorobenzene	11.514	112	149743	19.733	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	53471	19.278	ug/l	98
67) Ethyl Benzene	11.593	91	268042	19.627	ug/l	96
68) m/p-Xylenes	11.703	106	209020	39.109	ug/l	95
69) o-Xylene	12.026	106	98589	19.730	ug/l	92
70) Styrene	12.044	104	164568	19.541	ug/l	96
71) Bromoform	12.209	173	32206	19.507	ug/l #	100
73) Isopropylbenzene	12.331	105	261743	20.005	ug/l	100
74) N-amyl acetate	12.142	43	57309	19.058	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	48542	19.858	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	36221m	20.097	ug/l	
77) Bromobenzene	12.605	156	59626	19.866	ug/l	96
78) n-propylbenzene	12.672	91	320316	20.102	ug/l	99
79) 2-Chlorotoluene	12.757	91	175308	19.664	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	224426	20.280	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	17125	19.848	ug/l	87
82) 4-Chlorotoluene	12.855	91	183461	19.680	ug/l	98
83) tert-Butylbenzene	13.074	119	189697	20.107	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	223314	20.525	ug/l	100
85) sec-Butylbenzene	13.251	105	286058	20.143	ug/l	100
86) p-Isopropyltoluene	13.367	119	240883	20.217	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	121180	19.892	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	120183	19.923	ug/l	99
89) n-Butylbenzene	13.696	91	221862	20.235	ug/l	100
90) Hexachloroethane	13.958	117	45316	19.884	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	104577	19.695	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7857	19.988	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	63467	20.371	ug/l	98
94) Hexachlorobutadiene	15.111	225	39596	20.613	ug/l	98
95) Naphthalene	15.233	128	118956	20.033	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	53987	20.328	ug/l	99

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

