

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010622\
 Data File : VY007025.D
 Acq On : 06 Jan 2022 12:13
 Operator : SY/MD
 Sample : VY0106SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0106SBS01

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 01/07/2022
 Supervised By : Amit Patel 01/07/2022

Quant Time: Jan 06 15:34:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 06 04:51:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	161519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	272861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	246694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	100916	52.930	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.860%			
35) Dibromofluoromethane	7.722	113	97465	54.339	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.680%			
50) Toluene-d8	10.185	98	363718	54.578	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.160%			
62) 4-Bromofluorobenzene	12.483	95	132868	52.940	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	8472	15.511	ug/l	97
3) Chloromethane	2.119	50	25270	21.677	ug/l	95
4) Vinyl Chloride	2.260	62	32754	21.050	ug/l	99
5) Bromomethane	2.656	94	22081	21.157	ug/l	96
6) Chloroethane	2.802	64	19824	20.752	ug/l	100
7) Trichlorofluoromethane	3.131	101	35883	18.939	ug/l	100
8) Diethyl Ether	3.534	74	21200	19.881	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	37557	19.887	ug/l	99
10) Methyl Iodide	4.095	142	59158	20.113	ug/l	100
11) Tert butyl alcohol	4.954	59	17086	99.375	ug/l #	84
12) 1,1-Dichloroethene	3.875	96	39554	20.126	ug/l	97
13) Acrolein	3.729	56	6518	122.539	ug/l	86
14) Allyl chloride	4.485	41	56595	18.913	ug/l	97
15) Acrylonitrile	5.168	53	51514	98.005	ug/l	99
16) Acetone	3.948	43	38198	90.937	ug/l	98
17) Carbon Disulfide	4.198	76	111379	19.313	ug/l	98
18) Methyl Acetate	4.479	43	37513	20.816	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	74893	20.491	ug/l	96
20) Methylene Chloride	4.716	84	66695	17.909	ug/l	97
21) trans-1,2-Dichloroethene	5.229	96	42470	20.315	ug/l	98
22) Diisopropyl ether	6.125	45	116199	19.917	ug/l	100
23) Vinyl Acetate	6.064	43	341927	95.530	ug/l	99
24) 1,1-Dichloroethane	6.021	63	71420	19.915	ug/l	99
25) 2-Butanone	6.990	43	60928	100.739	ug/l	99
26) 2,2-Dichloropropane	6.984	77	54230	19.881	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	48499	20.792	ug/l	97
28) Bromochloromethane	7.344	49	23636	17.981	ug/l	97
29) Tetrahydrofuran	7.350	42	42281	94.103	ug/l	98
30) Chloroform	7.509	83	74827	19.964	ug/l	99
31) Cyclohexane	7.789	56	67469	18.919	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	66080	19.830	ug/l	99
36) 1,1-Dichloropropene	7.923	75	59605	19.938	ug/l	99
37) Ethyl Acetate	7.076	43	29228	19.057	ug/l	99
38) Carbon Tetrachloride	7.905	117	62655	20.039	ug/l	97
39) Methylcyclohexane	9.185	83	77281	19.726	ug/l	98
40) Benzene	8.167	78	161832	19.890	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	19442m	22.566	ug/l	
42) 1,2-Dichloroethane	8.240	62	49036	19.825	ug/l	100
43) Isopropyl Acetate	8.277	43	55942	18.944	ug/l	98
44) Trichloroethene	8.941	130	45370	19.968	ug/l	97
45) 1,2-Dichloropropane	9.222	63	39429	19.883	ug/l	94
46) Dibromomethane	9.307	93	24605	20.503	ug/l	97
47) Bromodichloromethane	9.502	83	58932	20.171	ug/l	98
48) Methyl methacrylate	9.295	41	25783	18.539	ug/l	98
49) 1,4-Dioxane	9.301	88	5700	473.628	ug/l	90
51) 4-Methyl-2-Pentanone	10.075	43	141051	96.297	ug/l	99
52) Toluene	10.246	92	105476	20.149	ug/l	99
53) t-1,3-Dichloropropene	10.472	75	62673	19.917	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	70511	20.183	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	32797	19.863	ug/l	98
56) Ethyl methacrylate	10.514	69	46160	19.480	ug/l	99
57) 1,3-Dichloropropane	10.795	76	56735	20.077	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	109201	105.066	ug/l	99
59) 2-Hexanone	10.837	43	93979	99.039	ug/l	100
60) Dibromochloromethane	10.990	129	40300	19.953	ug/l	97
61) 1,2-Dibromoethane	11.093	107	32898	19.848	ug/l	98
64) Tetrachloroethene	10.721	164	36186	19.333	ug/l	99
65) Chlorobenzene	11.520	112	111806	20.022	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	40130	20.058	ug/l	98
67) Ethyl Benzene	11.593	91	206847	20.016	ug/l	99
68) m/p-Xylenes	11.709	106	157429	40.000	ug/l	100
69) o-Xylene	12.032	106	74218	20.108	ug/l	100
70) Styrene	12.051	104	126543	20.181	ug/l	99
71) Bromoform	12.215	173	23988	19.854	ug/l #	99
73) Isopropylbenzene	12.331	105	197124	19.473	ug/l	100
74) N-amyl acetate	12.148	43	50152	18.946	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	38532	19.944	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	27109m	18.893	ug/l	
77) Bromobenzene	12.611	156	44043	19.988	ug/l	98
78) n-propylbenzene	12.672	91	241590	19.612	ug/l	99
79) 2-Chlorotoluene	12.758	91	137009	19.504	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	164726	19.695	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	14636	18.630	ug/l #	96
82) 4-Chlorotoluene	12.855	91	143040	19.612	ug/l	100
83) tert-Butylbenzene	13.081	119	143607	19.474	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	163437	19.859	ug/l	99
85) sec-Butylbenzene	13.258	105	211481	19.679	ug/l	100
86) p-Isopropyltoluene	13.373	119	174453	19.749	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	86454	20.283	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	86784	20.324	ug/l	99
89) n-Butylbenzene	13.697	91	171599	20.119	ug/l	99
90) Hexachloroethane	13.965	117	33855	19.298	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	76260	20.201	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6704	18.531	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	46596	20.290	ug/l	99
94) Hexachlorobutadiene	15.111	225	24298	20.202	ug/l	99
95) Naphthalene	15.239	128	102568	19.999	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	40424	20.401	ug/l	100

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

