

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072522\
 Data File : VY009676.D
 Acq On : 25 Jul 2022 11:02
 Operator : KP/MD
 Sample : VY0725SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0725SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/26/2022
 Supervised By :Mahesh Dadoda 07/26/2022

Quant Time: Jul 26 05:55:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	191675	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	284167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	259413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	96483	53.224	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.440%			
35) Dibromofluoromethane	7.710	113	97264	54.330	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.660%			
50) Toluene-d8	10.173	98	362355	52.651	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 105.300%			
62) 4-Bromofluorobenzene	12.477	95	121674	54.561	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 109.120%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	32314	19.213	ug/l	98
3) Chloromethane	2.107	50	46134	18.510	ug/l	96
4) Vinyl Chloride	2.241	62	52166	20.015	ug/l	98
5) Bromomethane	2.625	94	40536	22.978	ug/l	98
6) Chloroethane	2.778	64	33738	21.310	ug/l	97
7) Trichlorofluoromethane	3.107	101	68194	22.080	ug/l	90
8) Diethyl Ether	3.515	74	21338	21.116	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.881	101	38766	21.464	ug/l	93
10) Methyl Iodide	4.076	142	45210	18.845	ug/l #	88
11) Tert butyl alcohol	4.954	59	17964	80.230	ug/l #	93
12) 1,1-Dichloroethene	3.857	96	36062	20.459	ug/l	83
13) Acrolein	3.717	56	12074	93.164	ug/l	97
14) Allyl chloride	4.460	41	52121	19.115	ug/l #	93
15) Acrylonitrile	5.149	53	52473	105.141	ug/l	99
16) Acetone	3.936	43	44410	96.843	ug/l	93
17) Carbon Disulfide	4.174	76	98935	18.055	ug/l	98
18) Methyl Acetate	4.466	43	27856	21.640	ug/l #	89
19) Methyl tert-butyl Ether	5.210	73	98085	21.114	ug/l	96
20) Methylene Chloride	4.698	84	56092	18.105	ug/l #	82
21) trans-1,2-Dichloroethene	5.204	96	41447	20.775	ug/l	84
22) Diisopropyl ether	6.106	45	117682	20.212	ug/l #	92
23) Vinyl Acetate	6.052	43	360668	98.177	ug/l #	94
24) 1,1-Dichloroethane	6.003	63	71401	21.232	ug/l	99
25) 2-Butanone	6.978	43	67891	101.494	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	63788	21.174	ug/l	94
27) cis-1,2-Dichloroethene	6.972	96	46830	21.231	ug/l	84
28) Bromochloromethane	7.320	49	27614	19.165	ug/l #	77
29) Tetrahydrofuran	7.338	42	44942	102.333	ug/l #	87
30) Chloroform	7.496	83	75703	22.006	ug/l	98
31) Cyclohexane	7.771	56	58583	18.328	ug/l	88
32) 1,1,1-Trichloroethane	7.691	97	67431	21.853	ug/l	96
36) 1,1-Dichloropropene	7.905	75	55780	21.085	ug/l	96
37) Ethyl Acetate	7.064	43	30400	20.647	ug/l #	94
38) Carbon Tetrachloride	7.893	117	62778	22.669	ug/l	99
39) Methylcyclohexane	9.173	83	65213	19.992	ug/l	88
40) Benzene	8.149	78	163121	21.073	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	16685m	23.616	ug/l	
42) 1,2-Dichloroethane	8.228	62	47708	21.970	ug/l	92
43) Isopropyl Acetate	8.265	43	55214	20.465	ug/l #	90
44) Trichloroethene	8.935	130	48969	22.243	ug/l	91
45) 1,2-Dichloropropane	9.209	63	40738	21.450	ug/l	94
46) Dibromomethane	9.301	93	24828	22.509	ug/l	94
47) Bromodichloromethane	9.490	83	57675	22.299	ug/l	98
48) Methyl methacrylate	9.289	41	24363	20.439	ug/l #	86
49) 1,4-Dioxane	9.295	88	6962	473.512	ug/l #	82
51) 4-Methyl-2-Pentanone	10.063	43	149307	106.584	ug/l	91
52) Toluene	10.240	92	107188	21.860	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	57617	21.568	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	64723	21.308	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	35288	22.716	ug/l	97
56) Ethyl methacrylate	10.508	69	42237	21.252	ug/l #	81
57) 1,3-Dichloropropane	10.782	76	56834	22.047	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	92457	104.693	ug/l	93
59) 2-Hexanone	10.825	43	104318	107.069	ug/l	91
60) Dibromochloromethane	10.984	129	43703	23.249	ug/l	99
61) 1,2-Dibromoethane	11.081	107	34017	22.444	ug/l	99
64) Tetrachloroethene	10.715	164	46699	23.002	ug/l	98
65) Chlorobenzene	11.514	112	116494	21.976	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	45187	22.943	ug/l	98
67) Ethyl Benzene	11.587	91	196121	21.035	ug/l	97
68) m/p-Xylenes	11.697	106	159876	43.087	ug/l	92
69) o-Xylene	12.026	106	75297	21.685	ug/l	88
70) Styrene	12.038	104	126044	21.824	ug/l	94
71) Bromoform	12.203	173	29166	23.466	ug/l #	100
73) Isopropylbenzene	12.325	105	196097	20.258	ug/l	99
74) N-amyl acetate	12.142	43	49947	19.401	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	40778	21.035	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	27757m	20.841	ug/l	
77) Bromobenzene	12.605	156	51345	21.094	ug/l	87
78) n-propylbenzene	12.666	91	238581	20.397	ug/l	97
79) 2-Chlorotoluene	12.752	91	134909	20.803	ug/l	94
80) 1,3,5-Trimethylbenzene	12.806	105	167314	20.918	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	13810	20.446	ug/l	87
82) 4-Chlorotoluene	12.849	91	138407	20.572	ug/l	94
83) tert-Butylbenzene	13.069	119	148104	20.841	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	167693	20.964	ug/l	98
85) sec-Butylbenzene	13.251	105	217246	20.620	ug/l	98
86) p-Isopropyltoluene	13.367	119	184959	20.889	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	101401	21.059	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	103188	21.613	ug/l	97
89) n-Butylbenzene	13.696	91	166943	20.645	ug/l	99
90) Hexachloroethane	13.959	117	35636	20.891	ug/l	98
91) 1,2-Dichlorobenzene	13.733	146	91287	21.701	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6620	22.447	ug/l	73
93) 1,2,4-Trichlorobenzene	15.001	180	57732	21.867	ug/l	99
94) Hexachlorobutadiene	15.111	225	35352	22.571	ug/l	97
95) Naphthalene	15.233	128	106380	21.104	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	51844	22.354	ug/l	99

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

