

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010279.D
 Acq On : 02 Sep 2022 15:19
 Operator : KP/MD
 Sample : VY0902SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0902SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/06/2022
 Supervised By :Mahesh Dadoda 09/06/2022

Quant Time: Sep 02 16:43:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	371745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	611117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	541065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	260104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	199018	52.211	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.420%			
35) Dibromofluoromethane	7.710	113	186672	45.884	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.760%			
50) Toluene-d8	10.179	98	733944	53.884	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.760%			
62) 4-Bromofluorobenzene	12.477	95	259352	47.190	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	69439	23.399	ug/l	100
3) Chloromethane	2.107	50	91011	22.461	ug/l	98
4) Vinyl Chloride	2.241	62	98560	22.326	ug/l	99
5) Bromomethane	2.638	94	61746	22.168	ug/l	97
6) Chloroethane	2.784	64	57304	21.220	ug/l	100
7) Trichlorofluoromethane	3.113	101	131980	21.328	ug/l	95
8) Diethyl Ether	3.522	74	45497	20.576	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.887	101	79168	20.715	ug/l	96
10) Methyl Iodide	4.082	142	90628	19.711	ug/l	90
11) Tert butyl alcohol	4.948	59	62488	137.027	ug/l	100
12) 1,1-Dichloroethene	3.863	96	76973	20.800	ug/l	87
13) Acrolein	3.723	56	46332	95.975	ug/l	97
14) Allyl chloride	4.466	41	132843	20.395	ug/l	92
15) Acrylonitrile	5.155	53	114209	99.126	ug/l	99
16) Acetone	3.942	43	89233	93.643	ug/l	95
17) Carbon Disulfide	4.180	76	239012	21.204	ug/l	100
18) Methyl Acetate	4.466	43	59853	20.240	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	220113	20.346	ug/l	99
20) Methylene Chloride	4.704	84	114742	24.952	ug/l	87
21) trans-1,2-Dichloroethene	5.204	96	86946	20.733	ug/l	89
22) Diisopropyl ether	6.106	45	272152	20.559	ug/l	96
23) Vinyl Acetate	6.052	43	847266	102.081	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	155383	20.376	ug/l	98
25) 2-Butanone	6.978	43	154371	98.712	ug/l #	91
26) 2,2-Dichloropropane	6.972	77	144089	20.745	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	97807	20.408	ug/l	94
28) Bromochloromethane	7.326	49	40876	16.373	ug/l	91
29) Tetrahydrofuran	7.344	42	100712	100.522	ug/l	90
30) Chloroform	7.496	83	154615	20.589	ug/l	98
31) Cyclohexane	7.777	56	150999	20.307	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	139907	20.446	ug/l	97
36) 1,1-Dichloropropene	7.911	75	122891	20.588	ug/l	97
37) Ethyl Acetate	7.064	43	69228	20.228	ug/l #	95
38) Carbon Tetrachloride	7.893	117	126463	20.557	ug/l	98
39) Methylcyclohexane	9.179	83	157946	20.496	ug/l	94
40) Benzene	8.155	78	350061	20.477	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	41808m	21.669	ug/l	
42) 1,2-Dichloroethane	8.228	62	102131	20.605	ug/l	93
43) Isopropyl Acetate	8.271	43	129851	19.905	ug/l #	93
44) Trichloroethene	8.935	130	95307	20.308	ug/l	98
45) 1,2-Dichloropropane	9.210	63	87806	20.160	ug/l	96
46) Dibromomethane	9.301	93	48724	20.368	ug/l	97
47) Bromodichloromethane	9.490	83	117750	20.015	ug/l	99
48) Methyl methacrylate	9.289	41	60782	19.974	ug/l	88
49) 1,4-Dioxane	9.295	88	13192	400.774	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	337175	100.180	ug/l	92
52) Toluene	10.240	92	221263	20.233	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	127587	20.108	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	142496	19.916	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	69008	20.321	ug/l	98
56) Ethyl methacrylate	10.508	69	100407	20.013	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	118594	20.036	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	202945	136.474	ug/l	97
59) 2-Hexanone	10.831	43	228765	98.019	ug/l	89
60) Dibromochloromethane	10.984	129	83177	20.327	ug/l	100
61) 1,2-Dibromoethane	11.087	107	67059	20.434	ug/l	100
64) Tetrachloroethene	10.715	164	92372	20.934	ug/l	98
65) Chlorobenzene	11.514	112	236300	20.495	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	85893	20.288	ug/l	97
67) Ethyl Benzene	11.593	91	429120	20.325	ug/l	97
68) m/p-Xylenes	11.703	106	332192	41.188	ug/l	95
69) o-Xylene	12.026	106	157621	20.128	ug/l	96
70) Styrene	12.044	104	265311	20.339	ug/l	97
71) Bromoform	12.203	173	52001	19.870	ug/l #	99
73) Isopropylbenzene	12.325	105	419654	20.223	ug/l	100
74) N-amyl acetate	12.142	43	114463	19.993	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	79617	19.964	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	60483m	19.540	ug/l	
77) Bromobenzene	12.605	156	95969	20.329	ug/l	98
78) n-propylbenzene	12.666	91	503142	20.198	ug/l	98
79) 2-Chlorotoluene	12.752	91	284923	20.237	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	357051	20.536	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	29168	19.658	ug/l	87
82) 4-Chlorotoluene	12.855	91	292333	20.165	ug/l	99
83) tert-Butylbenzene	13.075	119	310409	20.550	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	348224	20.395	ug/l	99
85) sec-Butylbenzene	13.251	105	456351	20.429	ug/l	100
86) p-Isopropyltoluene	13.367	119	379899	20.589	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	188280	20.541	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	185984	20.408	ug/l	98
89) n-Butylbenzene	13.697	91	357319	20.485	ug/l	98
90) Hexachloroethane	13.959	117	71898	20.300	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	168122	20.579	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14734	20.966	ug/l	95
93) 1,2,4-Trichlorobenzene	15.001	180	103121	20.393	ug/l	99
94) Hexachlorobutadiene	15.111	225	61703	20.819	ug/l	99
95) Naphthalene	15.233	128	211610	20.168	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	88534	20.672	ug/l	99

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

