

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010297.D
 Acq On : 02 Sep 2022 23:50
 Operator : KP/MD
 Sample : VY0902SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0902SBS02

Quant Time: Sep 03 00:13:40 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	316061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	521978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	470828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	224544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	173484	53.530	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.060%	
35) Dibromofluoromethane	7.710	113	162536	46.774	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.540%	
50) Toluene-d8	10.179	98	622854	53.537	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.080%	
62) 4-Bromofluorobenzene	12.477	95	219261	46.635	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.260%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	59016	23.390	ug/l	100
3) Chloromethane	2.107	50	79609	23.109	ug/l	95
4) Vinyl Chloride	2.247	62	87356	23.274	ug/l	100
5) Bromomethane	2.637	94	56679	24.380	ug/l	98
6) Chloroethane	2.784	64	53832	23.446	ug/l	100
7) Trichlorofluoromethane	3.119	101	110921	21.083	ug/l	93
8) Diethyl Ether	3.521	74	40406	21.493	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	66084	20.338	ug/l	96
10) Methyl Iodide	4.082	142	86408	22.104	ug/l	90
11) Tert butyl alcohol	4.936	59	67202	173.327	ug/l	96
12) 1,1-Dichloroethene	3.863	96	64302	20.437	ug/l	90
13) Acrolein	3.722	56	38877	94.720	ug/l	98
14) Allyl chloride	4.472	41	108746	19.637	ug/l #	94
15) Acrylonitrile	5.155	53	104460	106.638	ug/l	98
16) Acetone	3.942	43	81364	100.428	ug/l #	89
17) Carbon Disulfide	4.186	76	199573	20.824	ug/l	100
18) Methyl Acetate	4.472	43	59050	23.486	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	194857	21.185	ug/l	98
20) Methylene Chloride	4.710	84	113512	29.033	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	75451	21.162	ug/l	90
22) Diisopropyl ether	6.112	45	234625	20.847	ug/l #	96
23) Vinyl Acetate	6.051	43	725980	102.878	ug/l	95
24) 1,1-Dichloroethane	6.009	63	133252	20.552	ug/l	99
25) 2-Butanone	6.984	43	140155	105.411	ug/l	95
26) 2,2-Dichloropropane	6.978	77	111467	18.876	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	86933	21.335	ug/l	91
28) Bromochloromethane	7.325	49	35362	16.633	ug/l	89
29) Tetrahydrofuran	7.344	42	91679	107.628	ug/l	90
30) Chloroform	7.502	83	135439	21.213	ug/l	99
31) Cyclohexane	7.783	56	121872	19.277	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	121229	20.838	ug/l	97
36) 1,1-Dichloropropene	7.911	75	101829	19.973	ug/l	97
37) Ethyl Acetate	7.069	43	61477	21.031	ug/l #	94
38) Carbon Tetrachloride	7.892	117	106431	20.255	ug/l	95
39) Methylcyclohexane	9.179	83	129561	19.684	ug/l	94
40) Benzene	8.155	78	301632	20.657	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	36062m	21.883	ug/l	
42) 1,2-Dichloroethane	8.234	62	91891	21.705	ug/l	93
43) Isopropyl Acetate	8.270	43	115634	20.752	ug/l #	94
44) Trichloroethene	8.935	130	82909	20.683	ug/l	94
45) 1,2-Dichloropropane	9.215	63	76428	20.544	ug/l	97
46) Dibromomethane	9.301	93	43865	21.468	ug/l	98
47) Bromodichloromethane	9.496	83	104762	20.849	ug/l	100
48) Methyl methacrylate	9.289	41	53495	20.582	ug/l #	89
49) 1,4-Dioxane	9.295	88	12030	427.884	ug/l #	93
51) 4-Methyl-2-Pentanone	10.069	43	308268	107.232	ug/l	93
52) Toluene	10.240	92	191788	20.533	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	108329	19.988	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	121523	19.885	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	62032	21.386	ug/l	97
56) Ethyl methacrylate	10.508	69	87242	20.359	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	106255	21.017	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	175617	138.788	ug/l	95
59) 2-Hexanone	10.831	43	209581	105.134	ug/l	90
60) Dibromochloromethane	10.983	129	74441	21.299	ug/l	100
61) 1,2-Dibromoethane	11.087	107	59997	21.404	ug/l	99
64) Tetrachloroethene	10.715	164	78762	20.512	ug/l	94
65) Chlorobenzene	11.514	112	205574	20.490	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	74966	20.349	ug/l	98
67) Ethyl Benzene	11.593	91	365685	19.904	ug/l	97
68) m/p-Xylenes	11.703	106	283394	40.379	ug/l	95
69) o-Xylene	12.026	106	137058	20.113	ug/l	94
70) Styrene	12.044	104	229704	20.236	ug/l	97
71) Bromoform	12.203	173	48099	21.121	ug/l #	99
73) Isopropylbenzene	12.331	105	358389	20.005	ug/l	100
74) N-amyl acetate	12.142	43	97779	19.784	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	71536	20.778	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	53728m	20.107	ug/l	
77) Bromobenzene	12.605	156	85258	20.920	ug/l	97
78) n-propylbenzene	12.672	91	426146	19.816	ug/l	99
79) 2-Chlorotoluene	12.751	91	242824	19.978	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	304876	20.312	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	23914	18.669	ug/l	88
82) 4-Chlorotoluene	12.855	91	250027	19.978	ug/l	99
83) tert-Butylbenzene	13.074	119	265282	20.343	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	299057	20.289	ug/l	98
85) sec-Butylbenzene	13.251	105	384274	19.927	ug/l	99
86) p-Isopropyltoluene	13.367	119	321454	20.180	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	163640	20.680	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	163552	20.788	ug/l	99
89) n-Butylbenzene	13.696	91	291745	19.375	ug/l	99
90) Hexachloroethane	13.958	117	62049	20.293	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	147051	20.851	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12115	19.970	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	87399	20.021	ug/l	99
94) Hexachlorobutadiene	15.111	225	53016	20.721	ug/l	99
95) Naphthalene	15.233	128	186152	20.552	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	76826	20.779	ug/l	99

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

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