

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021623\
 Data File : VY012628.D
 Acq On : 16 Feb 2023 11:00
 Operator : KP/MD
 Sample : VY0216SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0216SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/17/2023
 Supervised By :Mahesh Dadoda 02/17/2023

Quant Time: Feb 16 21:56:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	125352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	179365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	169687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	96966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	83478	52.370	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.740%			
35) Dibromofluoromethane	7.716	113	71498	54.736	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.480%			
50) Toluene-d8	10.179	98	293274	53.941	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.880%			
62) 4-Bromofluorobenzene	12.477	95	101676	53.614	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19981	20.474	ug/l	98
3) Chloromethane	2.113	50	17369	17.784	ug/l	100
4) Vinyl Chloride	2.247	62	23178	19.048	ug/l	97
5) Bromomethane	2.644	94	20119	20.975	ug/l	97
6) Chloroethane	2.790	64	17678	20.872	ug/l	98
7) Trichlorofluoromethane	3.119	101	53096	21.230	ug/l	97
8) Diethyl Ether	3.528	74	15495	20.894	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.893	101	25944	20.542	ug/l	98
10) Methyl Iodide	4.095	142	28414	17.354	ug/l	98
11) Tert butyl alcohol	4.942	59	21449	135.205	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	24646	19.750	ug/l	90
13) Acrolein	3.723	56	15797	84.300	ug/l	99
14) Allyl chloride	4.473	41	27345	17.972	ug/l	93
15) Acrylonitrile	5.155	53	35256	103.043	ug/l	99
16) Acetone	3.942	43	37974	98.980	ug/l	98
17) Carbon Disulfide	4.186	76	54670	16.890	ug/l	97
18) Methyl Acetate	4.473	43	18363	19.913	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	76285	20.891	ug/l	95
20) Methylene Chloride	4.710	84	32511	20.168	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	26994	19.834	ug/l	97
22) Diisopropyl ether	6.119	45	64173	20.742	ug/l	97
23) Vinyl Acetate	6.058	43	188927	101.296	ug/l	98
24) 1,1-Dichloroethane	6.009	63	44753	20.235	ug/l	99
25) 2-Butanone	6.978	43	42953	100.908	ug/l	94
26) 2,2-Dichloropropane	6.978	77	50148	20.637	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	32537	20.601	ug/l	98
28) Bromochloromethane	7.332	49	15624	19.434	ug/l	95
29) Tetrahydrofuran	7.344	42	23788	103.371	ug/l	97
30) Chloroform	7.502	83	55537	20.827	ug/l	98
31) Cyclohexane	7.783	56	34372	18.650	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	54872	21.206	ug/l	99
36) 1,1-Dichloropropene	7.917	75	36479	20.634	ug/l	98
37) Ethyl Acetate	7.070	43	16959	21.259	ug/l	99
38) Carbon Tetrachloride	7.899	117	52274	22.028	ug/l	93
39) Methylcyclohexane	9.179	83	43174	20.295	ug/l	97
40) Benzene	8.161	78	111034	21.265	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	8052	18.424	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	37825	22.350	ug/l	100
43) Isopropyl Acetate	8.271	43	31435	21.254	ug/l	98
44) Trichloroethene	8.935	130	34234	21.538	ug/l	92
45) 1,2-Dichloropropane	9.216	63	23092	20.395	ug/l	95
46) Dibromomethane	9.307	93	16258	21.686	ug/l	97
47) Bromodichloromethane	9.496	83	42472	21.849	ug/l	99
48) Methyl methacrylate	9.289	41	14207	21.014	ug/l	96
49) 1,4-Dioxane	9.295	88	4922	475.594	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	87846	110.084	ug/l	100
52) Toluene	10.240	92	76078	21.485	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	43043	21.975	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	44953	21.207	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	24692	22.541	ug/l	98
56) Ethyl methacrylate	10.508	69	29866	21.701	ug/l	99
57) 1,3-Dichloropropane	10.788	76	39213	22.180	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	70613	114.149	ug/l	98
59) 2-Hexanone	10.831	43	66064	109.550	ug/l	99
60) Dibromochloromethane	10.984	129	33233	22.759	ug/l	97
61) 1,2-Dibromoethane	11.087	107	23087	22.493	ug/l	100
64) Tetrachloroethene	10.721	164	39150	22.100	ug/l	94
65) Chlorobenzene	11.514	112	85520	21.249	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	34701	22.002	ug/l	98
67) Ethyl Benzene	11.593	91	148909	21.075	ug/l	98
68) m/p-Xylenes	11.703	106	121086	42.933	ug/l	98
69) o-Xylene	12.026	106	56832	21.159	ug/l	99
70) Styrene	12.044	104	97974	21.508	ug/l	99
71) Bromoform	12.209	173	22745	22.816	ug/l #	97
73) Isopropylbenzene	12.331	105	158768	20.238	ug/l	99
74) N-amyl acetate	12.142	43	28288	19.919	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	25010	19.716	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	22901m	21.139	ug/l	
77) Bromobenzene	12.605	156	39257	20.646	ug/l	97
78) n-propylbenzene	12.672	91	183063	20.273	ug/l	100
79) 2-Chlorotoluene	12.752	91	104100	20.308	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	139022	20.585	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	9501	19.777	ug/l	98
82) 4-Chlorotoluene	12.855	91	108340	20.148	ug/l	100
83) tert-Butylbenzene	13.075	119	122268	20.646	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	137514	20.694	ug/l	100
85) sec-Butylbenzene	13.251	105	173943	20.531	ug/l	99
86) p-Isopropyltoluene	13.367	119	151520	20.615	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	78461	20.738	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	79029	20.854	ug/l	98
89) n-Butylbenzene	13.696	91	128818	20.507	ug/l	99
90) Hexachloroethane	13.959	117	27413	20.320	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	71463	20.997	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5572	22.073	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	45619	21.632	ug/l	99
94) Hexachlorobutadiene	15.111	225	28828	22.005	ug/l	99
95) Naphthalene	15.233	128	88150	21.775	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	40267	22.059	ug/l	99

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

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