

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122322\
 Data File : VY011989.D
 Acq On : 23 Dec 2022 11:54
 Operator : KP/MD
 Sample : VY1223SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/27/2022
 Supervised By :Mahesh Dadoda 12/27/2022

Quant Time: Dec 23 22:23:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	207384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	316398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	289873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	109768	52.537	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.080%			
35) Dibromofluoromethane	7.715	113	100869	52.955	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.900%			
50) Toluene-d8	10.178	98	409083	52.934	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.860%			
62) 4-Bromofluorobenzene	12.483	95	138490	53.282	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	19716	13.799	ug/l	100
3) Chloromethane	2.113	50	26041	14.109	ug/l	99
4) Vinyl Chloride	2.253	62	30071	14.773	ug/l	99
5) Bromomethane	2.637	94	25436	17.565	ug/l	96
6) Chloroethane	2.790	64	22589	16.978	ug/l	89
7) Trichlorofluoromethane	3.125	101	64556	18.117	ug/l	97
8) Diethyl Ether	3.521	74	20438	18.590	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	35711	18.206	ug/l	97
10) Methyl Iodide	4.088	142	39905	14.704	ug/l	96
11) Tert butyl alcohol	4.948	59	17715	59.467	ug/l	100
12) 1,1-Dichloroethene	3.869	96	35033	17.855	ug/l	99
13) Acrolein	3.728	56	21231	108.704	ug/l	99
14) Allyl chloride	4.472	41	50022	17.312	ug/l	93
15) Acrylonitrile	5.161	53	50937	99.598	ug/l	99
16) Acetone	3.942	43	49401	82.525	ug/l	98
17) Carbon Disulfide	4.192	76	98729	15.774	ug/l	100
18) Methyl Acetate	4.472	43	28945	20.049	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	99042	19.673	ug/l	99
20) Methylene Chloride	4.710	84	51792	17.644	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	41105	18.438	ug/l	95
22) Diisopropyl ether	6.118	45	109502	19.242	ug/l	96
23) Vinyl Acetate	6.057	43	307311	93.861	ug/l	97
24) 1,1-Dichloroethane	6.015	63	69399	18.761	ug/l	99
25) 2-Butanone	6.978	43	64587	92.800	ug/l	96
26) 2,2-Dichloropropane	6.978	77	67900	18.759	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	46932	19.463	ug/l	96
28) Bromochloromethane	7.331	49	19849	19.554	ug/l	91
29) Tetrahydrofuran	7.344	42	38929	98.723	ug/l	93
30) Chloroform	7.502	83	79467	19.931	ug/l	99
31) Cyclohexane	7.783	56	63037	17.922	ug/l	98
32) 1,1,1-Trichloroethane	7.697	97	74475	19.639	ug/l	99
36) 1,1-Dichloropropene	7.917	75	58203	19.049	ug/l	99
37) Ethyl Acetate	7.069	43	27148	19.805	ug/l	97
38) Carbon Tetrachloride	7.898	117	69969	19.829	ug/l	99
39) Methylcyclohexane	9.179	83	68806	18.715	ug/l	98
40) Benzene	8.154	78	168582	19.280	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	14837m	22.383	ug/l	
42) 1,2-Dichloroethane	8.234	62	51245	20.358	ug/l	100
43) Isopropyl Acetate	8.270	43	48720	19.460	ug/l	96
44) Trichloroethene	8.941	130	48019	19.484	ug/l	92
45) 1,2-Dichloropropane	9.215	63	40352	19.974	ug/l	99
46) Dibromomethane	9.301	93	23404	20.112	ug/l	99
47) Bromodichloromethane	9.496	83	59995	20.321	ug/l	100
48) Methyl methacrylate	9.288	41	22553	19.456	ug/l	95
49) 1,4-Dioxane	9.301	88	6482	466.535	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	137151	102.739	ug/l	98
52) Toluene	10.239	92	110284	19.797	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	60667	20.336	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	67554	20.146	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	33892	20.524	ug/l	97
56) Ethyl methacrylate	10.508	69	42752	20.448	ug/l	96
57) 1,3-Dichloropropane	10.788	76	55979	20.313	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	81552	101.081	ug/l	95
59) 2-Hexanone	10.831	43	99355	101.167	ug/l	97
60) Dibromochloromethane	10.983	129	43105	20.720	ug/l	99
61) 1,2-Dibromoethane	11.087	107	31756	20.554	ug/l	100
64) Tetrachloroethene	10.721	164	50527	19.914	ug/l	96
65) Chlorobenzene	11.514	112	118934	19.760	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	46973	20.976	ug/l	97
67) Ethyl Benzene	11.593	91	211885	19.475	ug/l	98
68) m/p-Xylenes	11.703	106	169069	39.958	ug/l	98
69) o-Xylene	12.032	106	78859	20.031	ug/l	99
70) Styrene	12.044	104	134011	20.273	ug/l	98
71) Bromoform	12.209	173	28731	21.652	ug/l #	99
73) Isopropylbenzene	12.331	105	217756	19.520	ug/l	100
74) N-amyl acetate	12.142	43	44043	19.257	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.580	83	37178	19.977	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	29754m	15.906	ug/l	
77) Bromobenzene	12.611	156	50468	19.555	ug/l	97
78) n-propylbenzene	12.672	91	261936	19.534	ug/l	100
79) 2-Chlorotoluene	12.757	91	146307	19.410	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	187423	19.623	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	13826	20.240	ug/l	99
82) 4-Chlorotoluene	12.855	91	152270	19.524	ug/l	99
83) tert-Butylbenzene	13.074	119	158797	19.618	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	182885	19.464	ug/l	100
85) sec-Butylbenzene	13.251	105	238754	19.753	ug/l	99
86) p-Isopropyltoluene	13.367	119	202484	19.853	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	101754	19.604	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	102263	19.819	ug/l	99
89) n-Butylbenzene	13.696	91	181202	19.626	ug/l	99
90) Hexachloroethane	13.958	117	38633	19.852	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	91626	20.249	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6880	21.511	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	55377	20.804	ug/l	99
94) Hexachlorobutadiene	15.117	225	36965	21.492	ug/l	99
95) Naphthalene	15.239	128	102304	20.229	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	47631	21.165	ug/l	99

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

