

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030323\
 Data File : VY012788.D
 Acq On : 03 Mar 2023 11:47
 Operator : KP/MD
 Sample : VY0303SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/06/2023
 Supervised By :Mahesh Dadoda 03/06/2023

Quant Time: Mar 03 14:36:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	112023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	172951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	154058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	52671	47.356	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.720%		
35) Dibromofluoromethane	7.722	113	51397	49.242	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.480%		
50) Toluene-d8	10.179	98	187408	49.114	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.220%		
62) 4-Bromofluorobenzene	12.483	95	63246	49.107	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	25092	22.725	ug/l	98
3) Chloromethane	2.113	50	28106	21.292	ug/l	98
4) Vinyl Chloride	2.253	62	26075	21.542	ug/l	98
5) Bromomethane	2.643	94	15711	21.361	ug/l	90
6) Chloroethane	2.790	64	15773	21.758	ug/l	96
7) Trichlorofluoromethane	3.131	101	42865	21.322	ug/l	99
8) Diethyl Ether	3.534	74	14131	20.058	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	25627	21.188	ug/l	97
10) Methyl Iodide	4.088	142	32222	20.446	ug/l	100
11) Tert butyl alcohol	4.942	59	16076	114.779	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	24705	21.416	ug/l	98
13) Acrolein	3.729	56	18019	92.470	ug/l	99
14) Allyl chloride	4.478	41	43591	20.457	ug/l	100
15) Acrylonitrile	5.161	53	36332	97.875	ug/l	98
16) Acetone	3.948	43	39300	90.021	ug/l	97
17) Carbon Disulfide	4.192	76	83603	21.291	ug/l	99
18) Methyl Acetate	4.478	43	24848	19.113	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	60182	20.198	ug/l	99
20) Methylene Chloride	4.716	84	31030	20.077	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	27107	21.623	ug/l	95
22) Diisopropyl ether	6.118	45	81879	21.156	ug/l	98
23) Vinyl Acetate	6.064	43	243137	101.105	ug/l	99
24) 1,1-Dichloroethane	6.015	63	46255	20.973	ug/l	98
25) 2-Butanone	6.984	43	51790	95.780	ug/l	100
26) 2,2-Dichloropropane	6.978	77	41106	20.986	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	28609	21.286	ug/l	99
28) Bromochloromethane	7.332	49	16866	20.927	ug/l	99
29) Tetrahydrofuran	7.344	42	31686	97.161	ug/l	99
30) Chloroform	7.508	83	47190	21.662	ug/l	98
31) Cyclohexane	7.783	56	43842	20.582	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	42076	21.358	ug/l	99
36) 1,1-Dichloropropene	7.917	75	37057	21.186	ug/l	100
37) Ethyl Acetate	7.069	43	21707	19.690	ug/l	98
38) Carbon Tetrachloride	7.899	117	38907	21.540	ug/l	99
39) Methylcyclohexane	9.185	83	43420	20.880	ug/l	96
40) Benzene	8.161	78	105964	21.417	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	12796m	21.543	ug/l	
42) 1,2-Dichloroethane	8.234	62	31433	21.131	ug/l	99
43) Isopropyl Acetate	8.270	43	39400	20.032	ug/l	99
44) Trichloroethene	8.941	130	28053	21.505	ug/l	97
45) 1,2-Dichloropropane	9.215	63	26458	21.159	ug/l	98
46) Dibromomethane	9.307	93	15152	21.270	ug/l	99
47) Bromodichloromethane	9.496	83	34996	20.847	ug/l	93
48) Methyl methacrylate	9.295	41	18538	20.455	ug/l	99
49) 1,4-Dioxane	9.301	88	3683	399.928	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	105888	99.248	ug/l	100
52) Toluene	10.246	92	64147	21.498	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	35865	20.368	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	41608	20.877	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	21111	21.279	ug/l	96
56) Ethyl methacrylate	10.508	69	26462	20.004	ug/l	99
57) 1,3-Dichloropropane	10.788	76	35198	20.830	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	70158	101.029	ug/l	99
59) 2-Hexanone	10.831	43	75626	97.530	ug/l	99
60) Dibromochloromethane	10.983	129	25238	20.899	ug/l	100
61) 1,2-Dibromoethane	11.087	107	19555	20.462	ug/l	98
64) Tetrachloroethene	10.721	164	24198	21.573	ug/l	97
65) Chlorobenzene	11.514	112	68178	21.086	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	26041	21.766	ug/l	98
67) Ethyl Benzene	11.593	91	121127	21.308	ug/l	99
68) m/p-Xylenes	11.703	106	95628	43.728	ug/l	98
69) o-Xylene	12.032	106	44154	21.634	ug/l	96
70) Styrene	12.044	104	73067	21.453	ug/l	99
71) Bromoform	12.209	173	15995	20.504	ug/l #	98
73) Isopropylbenzene	12.331	105	115695	21.102	ug/l	99
74) N-amyl acetate	12.142	43	33329	19.321	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	25332	20.554	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	18792m	20.342	ug/l	
77) Bromobenzene	12.611	156	27915	20.959	ug/l	98
78) n-propylbenzene	12.672	91	145689	21.553	ug/l	99
79) 2-Chlorotoluene	12.757	91	79664	21.205	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	96809	21.396	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	8759	19.646	ug/l	99
82) 4-Chlorotoluene	12.855	91	84497	21.728	ug/l	99
83) tert-Butylbenzene	13.075	119	83768	21.450	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	95707	21.632	ug/l	99
85) sec-Butylbenzene	13.251	105	128963	21.646	ug/l	99
86) p-Isopropyltoluene	13.367	119	106824	21.939	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	55990	21.796	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	55513	21.174	ug/l	99
89) n-Butylbenzene	13.696	91	99316	21.306	ug/l	99
90) Hexachloroethane	13.958	117	21170	20.875	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	49023	21.111	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3911	19.635	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	28442	19.893	ug/l	100
94) Hexachlorobutadiene	15.111	225	17503	20.072	ug/l	98
95) Naphthalene	15.239	128	53109	18.537	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	25015	19.673	ug/l	100

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

