

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030823\
 Data File : VY012862.D
 Acq On : 08 Mar 2023 11:46
 Operator : KP/MD
 Sample : VY0308SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0308SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 00:32:50 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	102673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	154556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	142178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	45455	44.590	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.180%		
35) Dibromofluoromethane	7.716	113	44499	47.708	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.420%		
50) Toluene-d8	10.179	98	157284	46.125	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.260%		
62) 4-Bromofluorobenzene	12.483	95	55147	47.915	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21556	21.300	ug/l	96
3) Chloromethane	2.113	50	23984	19.824	ug/l	98
4) Vinyl Chloride	2.254	62	23396	21.089	ug/l	99
5) Bromomethane	2.644	94	14662	21.750	ug/l	93
6) Chloroethane	2.790	64	14571	21.931	ug/l	98
7) Trichlorofluoromethane	3.125	101	39550	21.464	ug/l	95
8) Diethyl Ether	3.528	74	12754	19.752	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.900	101	23337	21.051	ug/l	98
10) Methyl Iodide	4.089	142	28287	19.583	ug/l	98
11) Tert butyl alcohol	4.948	59	14700	114.461	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	22410	21.196	ug/l	95
13) Acrolein	3.729	56	16630	93.113	ug/l	97
14) Allyl chloride	4.479	41	36241	18.556	ug/l	95
15) Acrylonitrile	5.162	53	34732	102.085	ug/l	99
16) Acetone	3.948	43	39044	97.579	ug/l	99
17) Carbon Disulfide	4.192	76	73406	20.397	ug/l	99
18) Methyl Acetate	4.473	43	22973	19.280	ug/l	99
19) Methyl tert-butyl Ether	5.223	73	55222	20.221	ug/l	99
20) Methylene Chloride	4.716	84	29761	21.289	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	23328	20.303	ug/l	95
22) Diisopropyl ether	6.119	45	70174	19.782	ug/l	94
23) Vinyl Acetate	6.064	43	216084	98.038	ug/l	98
24) 1,1-Dichloroethane	6.021	63	40804	20.186	ug/l	98
25) 2-Butanone	6.984	43	50315	101.526	ug/l	99
26) 2,2-Dichloropropane	6.984	77	37107	20.669	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	25314	20.550	ug/l	99
28) Bromochloromethane	7.332	49	15278	20.683	ug/l	93
29) Tetrahydrofuran	7.344	42	29998	100.361	ug/l	96
30) Chloroform	7.509	83	42755	21.414	ug/l	96
31) Cyclohexane	7.783	56	37308	19.109	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	38157	21.133	ug/l	99
36) 1,1-Dichloropropene	7.917	75	32938	21.073	ug/l	99
37) Ethyl Acetate	7.076	43	20136	20.439	ug/l	98
38) Carbon Tetrachloride	7.899	117	35985	22.294	ug/l	100
39) Methylcyclohexane	9.185	83	37982	20.439	ug/l	97
40) Benzene	8.161	78	95294	21.552	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	8034m	15.136	ug/l	
42) 1,2-Dichloroethane	8.234	62	29068	21.867	ug/l	100
43) Isopropyl Acetate	8.271	43	35130	19.986	ug/l	98
44) Trichloroethene	8.941	130	25507	21.880	ug/l	97
45) 1,2-Dichloropropane	9.216	63	23604	21.123	ug/l	98
46) Dibromomethane	9.307	93	14305	22.471	ug/l	96
47) Bromodichloromethane	9.496	83	32385	21.587	ug/l	96
48) Methyl methacrylate	9.295	41	15839	19.557	ug/l	96
49) 1,4-Dioxane	9.301	88	3606	438.170	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	100012	104.897	ug/l	98
52) Toluene	10.246	92	60190	22.572	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	34236	21.757	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	38151	21.421	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	19830	22.367	ug/l	95
56) Ethyl methacrylate	10.508	69	24859	21.029	ug/l	96
57) 1,3-Dichloropropane	10.789	76	32974	21.836	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	66167	106.622	ug/l	99
59) 2-Hexanone	10.831	43	75101	108.381	ug/l	99
60) Dibromochloromethane	10.984	129	24478	22.682	ug/l	97
61) 1,2-Dibromoethane	11.087	107	18677	21.869	ug/l	99
64) Tetrachloroethene	10.722	164	22686	21.915	ug/l	96
65) Chlorobenzene	11.514	112	63910	21.418	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	23878	21.625	ug/l	98
67) Ethyl Benzene	11.593	91	110076	20.982	ug/l	99
68) m/p-Xylenes	11.703	106	86075	42.649	ug/l	100
69) o-Xylene	12.032	106	39986	21.229	ug/l	97
70) Styrene	12.044	104	68923	21.927	ug/l	99
71) Bromoform	12.209	173	16289	22.626	ug/l #	97
73) Isopropylbenzene	12.331	105	107814	20.389	ug/l	100
74) N-amyl acetate	12.142	43	31452	18.905	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	25127	21.139	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	19331m	21.696	ug/l	
77) Bromobenzene	12.611	156	26697	20.783	ug/l	97
78) n-propylbenzene	12.672	91	134311	20.602	ug/l	99
79) 2-Chlorotoluene	12.758	91	75695	20.891	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	91442	20.955	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8389	19.509	ug/l	97
82) 4-Chlorotoluene	12.855	91	79419	21.175	ug/l	99
83) tert-Butylbenzene	13.075	119	76334	20.267	ug/l	100
84) 1,2,4-Trimethylbenzene	13.124	105	89423	20.956	ug/l	99
85) sec-Butylbenzene	13.252	105	118747	20.666	ug/l	100
86) p-Isopropyltoluene	13.367	119	97724	20.809	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	53219	21.481	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	53426	21.129	ug/l	98
89) n-Butylbenzene	13.697	91	90417	20.112	ug/l	99
90) Hexachloroethane	13.965	117	20247	20.700	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	48232	21.536	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4115	21.421	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	28348	20.558	ug/l	97
94) Hexachlorobutadiene	15.117	225	16961	20.167	ug/l	98
95) Naphthalene	15.239	128	55492	20.082	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	25734	20.984	ug/l	100

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

