

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031623\
 Data File : VY012963.D
 Acq On : 16 Mar 2023 12:07
 Operator : KP/MD
 Sample : VY0316SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 01:33:30 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	97376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	150870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	136462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	72308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	45262	46.815	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.640%		
35) Dibromofluoromethane	7.716	113	43759	48.060	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.120%		
50) Toluene-d8	10.179	98	145981	43.857	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.720%		
62) 4-Bromofluorobenzene	12.483	95	53709	47.806	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	20297	21.147	ug/l	100
3) Chloromethane	2.113	50	22397	19.519	ug/l	100
4) Vinyl Chloride	2.253	62	21527	20.459	ug/l	98
5) Bromomethane	2.644	94	13146	20.562	ug/l	96
6) Chloroethane	2.790	64	13561	21.521	ug/l	96
7) Trichlorofluoromethane	3.125	101	37550	21.487	ug/l	99
8) Diethyl Ether	3.528	74	13327	21.762	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	22697	21.588	ug/l	99
10) Methyl Iodide	4.095	142	27947	20.400	ug/l	97
11) Tert butyl alcohol	4.948	59	15239	127.153	ug/l	97
12) 1,1-Dichloroethene	3.869	96	21083	21.025	ug/l	92
13) Acrolein	3.729	56	14293	84.381	ug/l	100
14) Allyl chloride	4.479	41	34991	18.891	ug/l	96
15) Acrylonitrile	5.155	53	36239	112.309	ug/l	98
16) Acetone	3.942	43	42541	112.103	ug/l	99
17) Carbon Disulfide	4.192	76	64584	18.922	ug/l	99
18) Methyl Acetate	4.473	43	24137	21.359	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	57688	22.273	ug/l	99
20) Methylene Chloride	4.710	84	28386	21.444	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	22509	20.656	ug/l	97
22) Diisopropyl ether	6.119	45	74367	22.105	ug/l	95
23) Vinyl Acetate	6.064	43	228719	109.416	ug/l	99
24) 1,1-Dichloroethane	6.015	63	41664	21.733	ug/l	97
25) 2-Butanone	6.984	43	54284	115.493	ug/l	97
26) 2,2-Dichloropropane	6.984	77	37427	21.981	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	25686	21.986	ug/l	99
28) Bromochloromethane	7.332	49	15664	22.359	ug/l	94
29) Tetrahydrofuran	7.344	42	32581	114.932	ug/l	98
30) Chloroform	7.502	83	43740	23.099	ug/l	97
31) Cyclohexane	7.783	56	35638	19.247	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	37973	22.175	ug/l	99
36) 1,1-Dichloropropene	7.917	75	31149	20.415	ug/l	99
37) Ethyl Acetate	7.076	43	21510	22.367	ug/l	100
38) Carbon Tetrachloride	7.899	117	34856	22.122	ug/l	96
39) Methylcyclohexane	9.185	83	36177	19.943	ug/l	97
40) Benzene	8.161	78	93560	21.677	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	9001m	17.372	ug/l	
42) 1,2-Dichloroethane	8.234	62	29475	22.715	ug/l	99
43) Isopropyl Acetate	8.271	43	38266	22.303	ug/l	98
44) Trichloroethene	8.941	130	25011	21.979	ug/l	96
45) 1,2-Dichloropropane	9.216	63	23581	21.618	ug/l	97
46) Dibromomethane	9.301	93	14330	23.060	ug/l	97
47) Bromodichloromethane	9.496	83	33656	22.983	ug/l #	98
48) Methyl methacrylate	9.295	41	16910	21.389	ug/l	96
49) 1,4-Dioxane	9.295	88	3925	488.584	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	108329	116.396	ug/l	99
52) Toluene	10.246	92	59256	22.765	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	34162	22.241	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	38375	22.073	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	20114	23.242	ug/l	99
56) Ethyl methacrylate	10.508	69	26307	22.798	ug/l	96
57) 1,3-Dichloropropane	10.788	76	33205	22.527	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	68716	113.435	ug/l	99
59) 2-Hexanone	10.831	43	81043	119.813	ug/l	100
60) Dibromochloromethane	10.984	129	24422	23.183	ug/l	98
61) 1,2-Dibromoethane	11.087	107	19096	22.906	ug/l	99
64) Tetrachloroethene	10.721	164	21426	21.565	ug/l	97
65) Chlorobenzene	11.514	112	62965	21.985	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	23969	22.617	ug/l	99
67) Ethyl Benzene	11.593	91	108582	21.564	ug/l	99
68) m/p-Xylenes	11.703	106	84027	43.378	ug/l	97
69) o-Xylene	12.026	106	39620	21.915	ug/l	99
70) Styrene	12.044	104	68065	22.561	ug/l	99
71) Bromoform	12.209	173	16377	23.701	ug/l #	97
73) Isopropylbenzene	12.331	105	105577	20.602	ug/l	100
74) N-amyl acetate	12.142	43	32661	20.257	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	25923	22.503	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	19683m	22.795	ug/l	
77) Bromobenzene	12.611	156	26459	21.254	ug/l	98
78) n-propylbenzene	12.672	91	132815	21.022	ug/l	99
79) 2-Chlorotoluene	12.758	91	73824	21.024	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	90063	21.296	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8924	21.414	ug/l	98
82) 4-Chlorotoluene	12.855	91	78158	21.502	ug/l	98
83) tert-Butylbenzene	13.075	119	76633	20.994	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	88299	21.352	ug/l	100
85) sec-Butylbenzene	13.251	105	116911	20.995	ug/l	100
86) p-Isopropyltoluene	13.367	119	97486	21.420	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	53167	22.143	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	52346	21.361	ug/l	97
89) n-Butylbenzene	13.697	91	89216	20.477	ug/l	98
90) Hexachloroethane	13.959	117	20184	21.293	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	46739	21.534	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4278	22.979	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	28809	21.558	ug/l	99
94) Hexachlorobutadiene	15.111	225	17390	21.336	ug/l	99
95) Naphthalene	15.239	128	57702	21.547	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	25986	21.864	ug/l	99

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

