

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031723\
 Data File : VY012986.D
 Acq On : 17 Mar 2023 15:01
 Operator : KP/MD
 Sample : VY0317SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/20/2023
 Supervised By :Mahesh Dadoda 03/20/2023

Quant Time: Mar 18 05:44:46 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	105446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	159434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	141488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	73607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	47120	45.007	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.020%		
35) Dibromofluoromethane	7.716	113	46388	48.211	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.420%		
50) Toluene-d8	10.179	98	155943	44.333	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.660%		
62) 4-Bromofluorobenzene	12.483	95	56847	47.881	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22065	21.230	ug/l	95
3) Chloromethane	2.113	50	23399	18.832	ug/l	99
4) Vinyl Chloride	2.253	62	20642	18.117	ug/l	98
5) Bromomethane	2.643	94	14615	21.110	ug/l	85
6) Chloroethane	2.790	64	13407	19.648	ug/l	97
7) Trichlorofluoromethane	3.125	101	39990	21.132	ug/l	93
8) Diethyl Ether	3.527	74	13606	20.517	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.893	101	24639	21.641	ug/l	99
10) Methyl Iodide	4.088	142	28226	19.027	ug/l	97
11) Tert butyl alcohol	4.948	59	14930	112.952	ug/l	99
12) 1,1-Dichloroethene	3.863	96	22690	20.896	ug/l	99
13) Acrolein	3.729	56	13687	74.620	ug/l	97
14) Allyl chloride	4.479	41	41560	20.720	ug/l	98
15) Acrylonitrile	5.155	53	38239	109.437	ug/l	99
16) Acetone	3.942	43	43751	106.468	ug/l	95
17) Carbon Disulfide	4.192	76	70333	19.029	ug/l	99
18) Methyl Acetate	4.479	43	26107	21.334	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	60947	21.730	ug/l	100
20) Methylene Chloride	4.710	84	33469	23.884	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	25397	21.523	ug/l	97
22) Diisopropyl ether	6.118	45	81284	22.312	ug/l	98
23) Vinyl Acetate	6.057	43	245346	108.387	ug/l	99
24) 1,1-Dichloroethane	6.015	63	45304	21.823	ug/l	98
25) 2-Butanone	6.978	43	55508	109.059	ug/l	96
26) 2,2-Dichloropropane	6.972	77	40961	22.216	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	27402	21.660	ug/l	98
28) Bromochloromethane	7.332	49	16647	21.943	ug/l	100
29) Tetrahydrofuran	7.344	42	32538	105.996	ug/l	100
30) Chloroform	7.502	83	45970	22.419	ug/l	98
31) Cyclohexane	7.783	56	40603	20.250	ug/l #	85
32) 1,1,1-Trichloroethane	7.697	97	40784	21.993	ug/l	99
36) 1,1-Dichloropropene	7.911	75	35209	21.836	ug/l	100
37) Ethyl Acetate	7.069	43	21882	21.532	ug/l	99
38) Carbon Tetrachloride	7.893	117	37891	22.756	ug/l	95
39) Methylcyclohexane	9.179	83	40618	21.189	ug/l	96
40) Benzene	8.161	78	100253	21.980	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	10582m	19.326	ug/l	
42) 1,2-Dichloroethane	8.234	62	29915	21.816	ug/l	100
43) Isopropyl Acetate	8.271	43	39609	21.845	ug/l	99
44) Trichloroethene	8.935	130	26351	21.913	ug/l	96
45) 1,2-Dichloropropane	9.215	63	25178	21.843	ug/l	98
46) Dibromomethane	9.301	93	14600	22.233	ug/l	100
47) Bromodichloromethane	9.496	83	34749	22.455	ug/l	99
48) Methyl methacrylate	9.289	41	18697	22.379	ug/l	99
49) 1,4-Dioxane	9.301	88	4020	473.530	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	112928	114.820	ug/l	98
52) Toluene	10.240	92	61335	22.298	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	35657	21.967	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	40926	22.276	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	20084	21.961	ug/l	96
56) Ethyl methacrylate	10.508	69	26554	21.775	ug/l	97
57) 1,3-Dichloropropane	10.788	76	34232	21.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	71511	111.708	ug/l	99
59) 2-Hexanone	10.831	43	82267	115.090	ug/l	99
60) Dibromochloromethane	10.983	129	24839	22.312	ug/l	100
61) 1,2-Dibromoethane	11.087	107	18956	21.517	ug/l	99
64) Tetrachloroethene	10.721	164	23114	22.438	ug/l	96
65) Chlorobenzene	11.514	112	65563	22.079	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	25322	23.045	ug/l	98
67) Ethyl Benzene	11.593	91	115508	22.125	ug/l	97
68) m/p-Xylenes	11.703	106	90253	44.937	ug/l	100
69) o-Xylene	12.026	106	40621	21.671	ug/l	99
70) Styrene	12.044	104	71433	22.836	ug/l	99
71) Bromoform	12.209	173	15888	22.177	ug/l #	99
73) Isopropylbenzene	12.331	105	112715	21.607	ug/l	100
74) N-amyl acetate	12.142	43	34659	21.116	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	25326	21.597	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	19669m	22.377	ug/l	
77) Bromobenzene	12.611	156	26612	20.999	ug/l	99
78) n-propylbenzene	12.672	91	140738	21.883	ug/l	99
79) 2-Chlorotoluene	12.758	91	77365	21.644	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	92751	21.545	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	8822	20.796	ug/l	97
82) 4-Chlorotoluene	12.855	91	81509	22.028	ug/l	98
83) tert-Butylbenzene	13.075	119	80798	21.745	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	92158	21.892	ug/l	100
85) sec-Butylbenzene	13.251	105	123446	21.777	ug/l	99
86) p-Isopropyltoluene	13.367	119	101635	21.937	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	53602	21.931	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	53292	21.364	ug/l	97
89) n-Butylbenzene	13.696	91	96524	21.763	ug/l	100
90) Hexachloroethane	13.959	117	20965	21.727	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	49276	22.303	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4267	22.515	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	29056	21.359	ug/l	99
94) Hexachlorobutadiene	15.117	225	18220	21.959	ug/l	100
95) Naphthalene	15.239	128	57337	21.033	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	26178	21.637	ug/l	100

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

