

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032923\
 Data File : VY013126.D
 Acq On : 29 Mar 2023 09:55
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/30/2023
 Supervised By :Mahesh Dadoda 03/30/2023

Quant Time: Mar 30 01:36:18 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	89517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	131345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	123361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	45633	51.343	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.680%			
35) Dibromofluoromethane	7.716	113	45999	58.031	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.060%			
50) Toluene-d8	10.179	98	142586	49.204	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.400%			
62) 4-Bromofluorobenzene	12.483	95	57010	58.287	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	42704	48.400	ug/l	95
3) Chloromethane	2.119	50	50736	48.099	ug/l	99
4) Vinyl Chloride	2.253	62	52095	53.858	ug/l	99
5) Bromomethane	2.656	94	32724	55.678	ug/l	95
6) Chloroethane	2.796	64	33088	57.119	ug/l	96
7) Trichlorofluoromethane	3.131	101	83632	52.058	ug/l	100
8) Diethyl Ether	3.534	74	25806	45.839	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.905	101	50709	52.465	ug/l	98
10) Methyl Iodide	4.094	142	61554	48.877	ug/l	96
11) Tert butyl alcohol	4.948	59	17956	169.154	ug/l	98
12) 1,1-Dichloroethene	3.875	96	46696	50.656	ug/l	94
13) Acrolein	3.729	56	19944	128.080	ug/l	98
14) Allyl chloride	4.478	41	86441	50.764	ug/l	96
15) Acrylonitrile	5.161	53	66138	222.964	ug/l	99
16) Acetone	3.948	43	88851	254.693	ug/l	99
17) Carbon Disulfide	4.198	76	143731	45.807	ug/l	98
18) Methyl Acetate	4.472	43	46380	44.644	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	118405	49.728	ug/l	98
20) Methylene Chloride	4.716	84	54514	51.354	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	52695	52.603	ug/l	97
22) Diisopropyl ether	6.118	45	179334	57.985	ug/l	98
23) Vinyl Acetate	6.057	43	495125	257.655	ug/l	99
24) 1,1-Dichloroethane	6.015	63	97830	55.511	ug/l	97
25) 2-Butanone	6.984	43	108477	251.053	ug/l	96
26) 2,2-Dichloropropane	6.978	77	87876	56.142	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	58210	54.199	ug/l	97
28) Bromochloromethane	7.332	49	31666	49.168	ug/l	94
29) Tetrahydrofuran	7.350	42	59469	228.200	ug/l	96
30) Chloroform	7.508	83	96919	55.676	ug/l	100
31) Cyclohexane	7.783	56	83655	49.146	ug/l	98
32) 1,1,1-Trichloroethane	7.697	97	87171	55.373	ug/l	98
36) 1,1-Dichloropropene	7.917	75	74697	56.234	ug/l	100
37) Ethyl Acetate	7.076	43	39636	47.342	ug/l	95
38) Carbon Tetrachloride	7.899	117	80667	58.807	ug/l	97
39) Methylcyclohexane	9.185	83	84156	53.290	ug/l	95
40) Benzene	8.161	78	212307	56.502	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	18114m	40.157	ug/l	
42) 1,2-Dichloroethane	8.234	62	63856	56.526	ug/l	98
43) Isopropyl Acetate	8.270	43	72817	48.749	ug/l	98
44) Trichloroethene	8.941	130	54049	54.558	ug/l	96
45) 1,2-Dichloropropane	9.215	63	54365	57.249	ug/l	97
46) Dibromomethane	9.307	93	29070	53.734	ug/l	99
47) Bromodichloromethane	9.496	83	73209	57.424	ug/l	99
48) Methyl methacrylate	9.295	41	35241	51.203	ug/l	96
49) 1,4-Dioxane	9.295	88	6313	902.662	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	199572	246.310	ug/l	98
52) Toluene	10.246	92	129622	57.201	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	73088	54.656	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	83776	55.350	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	40311	53.504	ug/l	99
56) Ethyl methacrylate	10.508	69	49344	49.118	ug/l	94
57) 1,3-Dichloropropane	10.788	76	69625	54.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	131326	249.018	ug/l	99
59) 2-Hexanone	10.831	43	154611	262.554	ug/l	98
60) Dibromochloromethane	10.983	129	49004	53.432	ug/l	98
61) 1,2-Dibromoethane	11.087	107	37193	51.247	ug/l	100
64) Tetrachloroethene	10.721	164	47836	53.260	ug/l	99
65) Chlorobenzene	11.520	112	143139	55.286	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	54635	57.029	ug/l	99
67) Ethyl Benzene	11.593	91	258606	56.812	ug/l	100
68) m/p-Xylenes	11.703	106	201830	115.258	ug/l	99
69) o-Xylene	12.032	106	93426	57.166	ug/l	99
70) Styrene	12.044	104	158680	58.183	ug/l	99
71) Bromoform	12.209	173	32893	52.659	ug/l #	98
73) Isopropylbenzene	12.331	105	251757	53.564	ug/l	99
74) N-amyl acetate	12.142	43	64036	43.301	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	48576	45.976	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	32410m	40.923	ug/l	
77) Bromobenzene	12.611	156	59037	51.704	ug/l	96
78) n-propylbenzene	12.672	91	316864	54.681	ug/l	99
79) 2-Chlorotoluene	12.757	91	172469	53.551	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	209752	54.076	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	16635	43.522	ug/l	96
82) 4-Chlorotoluene	12.855	91	178391	53.509	ug/l	99
83) tert-Butylbenzene	13.074	119	182073	54.384	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	208643	55.008	ug/l	100
85) sec-Butylbenzene	13.257	105	277704	54.372	ug/l	99
86) p-Isopropyltoluene	13.373	119	228936	54.844	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	119637	54.326	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	117133	52.115	ug/l	99
89) n-Butylbenzene	13.696	91	211676	52.970	ug/l	100
90) Hexachloroethane	13.965	117	45898	52.792	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	105123	52.807	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7202	42.177	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	58552	47.771	ug/l	99
94) Hexachlorobutadiene	15.111	225	35004	46.823	ug/l	99
95) Naphthalene	15.239	128	101441	41.300	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	49460	45.372	ug/l	99

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

