

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101023\
 Data File : VY015909.D
 Acq On : 10 Oct 2023 19:59
 Operator : SY/MD
 Sample : 04805-02MS
 Misc : 5.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-1(0-5)MS

Quant Time: Oct 11 01:25:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/11/2023
 Supervised By :Semsettin Yesilyurt 10/11/2023

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	154216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	249579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	163419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	45751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	59544	42.910	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.820%		
35) Dibromofluoromethane	7.728	113	65999	47.410	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.820%		
50) Toluene-d8	10.185	98	203177	44.285	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.580%		
62) 4-Bromofluorobenzene	12.483	95	49523	26.575	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	53.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	39176	63.511	ug/l	99
3) Chloromethane	2.125	50	42994	68.143	ug/l	99
4) Vinyl Chloride	2.260	62	52206	64.877	ug/l	98
5) Bromomethane	2.662	94	39917	60.495	ug/l	95
6) Chloroethane	2.808	64	40807	64.580	ug/l	97
7) Trichlorofluoromethane	3.137	101	107553	62.989	ug/l	100
8) Diethyl Ether	3.546	74	41139	56.950	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.918	101	68451	59.070	ug/l	94
10) Methyl Iodide	4.107	142	46913	40.719	ug/l	96
11) Tert butyl alcohol	4.972	59	35657	107.244	ug/l #	80
12) 1,1-Dichloroethene	3.887	96	53884	60.453	ug/l	91
13) Acrolein	3.753	56	325	3.832	ug/l #	14
14) Allyl chloride	4.497	41	71702	43.630	ug/l	91
15) Acrylonitrile	5.180	53	105089	211.558	ug/l	96
16) Acetone	3.960	43	174907	296.232	ug/l #	87
17) Carbon Disulfide	4.216	76	74098	55.308	ug/l	100
18) Methyl Acetate	4.491	43	159332	84.698	ug/l	94
19) Methyl tert-butyl Ether	5.241	73	221791	54.910	ug/l	99
20) Methylene Chloride	4.741	84	78805	55.728	ug/l	89
21) trans-1,2-Dichloroethene	5.247	96	49326	47.691	ug/l	91
22) Diisopropyl ether	6.137	45	264042	60.069	ug/l #	85
23) Vinyl Acetate	6.137	43	171909	71.122	ug/l #	76
24) 1,1-Dichloroethane	6.039	63	146087	60.333	ug/l	98
25) 2-Butanone	7.003	43	173023	227.302	ug/l	94
26) 2,2-Dichloropropane	6.996	77	121576	53.990	ug/l	97
27) cis-1,2-Dichloroethene	7.003	96	74931	49.086	ug/l	95
28) Bromochloromethane	7.344	49	63817	45.730	ug/l	93
29) Tetrahydrofuran	7.362	42	88470	212.455	ug/l	91
30) Chloroform	7.521	83	155822	57.695	ug/l	95
31) Cyclohexane	7.795	56	69766	46.944	ug/l	91
32) 1,1,1-Trichloroethane	7.716	97	130400	59.121	ug/l	98
36) 1,1-Dichloropropene	7.929	75	76796	49.810	ug/l	99
37) Ethyl Acetate	7.088	43	44665	33.732	ug/l	96
38) Carbon Tetrachloride	7.911	117	105552	57.006	ug/l	99
39) Methylcyclohexane	9.191	83	61417	39.217	ug/l	95
40) Benzene	8.173	78	308000	63.568	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	34964m	42.453	ug/l	
42) 1,2-Dichloroethane	8.246	62	83612	50.624	ug/l	94
43) Isopropyl Acetate	8.283	43	90570	36.951	ug/l	92
44) Trichloroethene	8.947	130	63148	45.040	ug/l	99
45) 1,2-Dichloropropane	9.222	63	83666	57.409	ug/l	98
46) Dibromomethane	9.313	93	38098	43.929	ug/l	96
47) Bromodichloromethane	9.502	83	113061	52.417	ug/l	98
48) Methyl methacrylate	9.301	41	53314	49.254	ug/l	88
49) 1,4-Dioxane	9.301	88	12716	843.455	ug/l #	46
51) 4-Methyl-2-Pentanone	10.075	43	324976	221.610	ug/l	91
52) Toluene	10.252	92	167737	52.154	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	75313	34.538	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	97538	41.179	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	67685	49.013	ug/l	97
56) Ethyl methacrylate	10.514	69	82346	43.923	ug/l #	84
57) 1,3-Dichloropropane	10.795	76	105306	47.298	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	231385	202.488	ug/l	94
59) 2-Hexanone	10.837	43	214233	193.102	ug/l	88
60) Dibromochloromethane	10.990	129	74543	45.027	ug/l	99
61) 1,2-Dibromoethane	11.093	107	50291	39.874	ug/l	99
64) Tetrachloroethene	10.728	164	52310	49.049	ug/l	96
65) Chlorobenzene	11.520	112	151783	53.248	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	75275	64.610	ug/l	99
67) Ethyl Benzene	11.599	91	283248	57.921	ug/l	99
68) m/p-Xylenes	11.709	106	215176	116.772	ug/l	95
69) o-Xylene	12.032	106	109868	59.591	ug/l	98
70) Styrene	12.050	104	153535	47.730	ug/l	99
71) Bromoform	12.215	173	40509	49.930	ug/l #	100
73) Isopropylbenzene	12.337	105	246250	85.325	ug/l	99
74) N-amyl acetate	12.148	43	9510	10.456	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	66699	89.129	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	48241m	90.324	ug/l	
77) Bromobenzene	12.611	156	51730	73.100	ug/l	96
78) n-propylbenzene	12.672	91	241858	69.686	ug/l	100
79) 2-Chlorotoluene	12.764	91	149852	75.798	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	190260	79.987	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	14451	60.000	ug/l	95
82) 4-Chlorotoluene	12.861	91	133000	64.557	ug/l	98
83) tert-Butylbenzene	13.081	119	144298	65.002	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	203968	85.152	ug/l	100
85) sec-Butylbenzene	13.258	105	171356	52.635	ug/l	99
86) p-Isopropyltoluene	13.373	119	138487	51.422	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	72563	50.931	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	69760	48.622	ug/l	98
89) n-Butylbenzene	13.703	91	103160	40.478	ug/l	94
90) Hexachloroethane	13.965	117	24795	45.876	ug/l	87
91) 1,2-Dichlorobenzene	13.745	146	69075	52.159	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8796	66.930	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	18377	21.652	ug/l	90
94) Hexachlorobutadiene	15.117	225	7123	15.672	ug/l	97
95) Naphthalene	15.239	128	705239	359.178	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	14279	18.913	ug/l #	88

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

