

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101023\
 Data File : VY015910.D
 Acq On : 10 Oct 2023 20:21
 Operator : SY/MD
 Sample : 04805-03MSD
 Misc : 5.29g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Oct 11 01:26:17 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	7.807	168	139824	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	222883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	147400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	38294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	61645	48.997	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.000%		
35) Dibromofluoromethane	7.734	113	63503	51.081	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.160%		
50) Toluene-d8	10.191	98	189563	46.267	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.540%		
62) 4-Bromofluorobenzene	12.489	95	45540	27.365	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	54.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	36174	64.681	ug/l	96
3) Chloromethane	2.125	50	37798	66.074	ug/l	96
4) Vinyl Chloride	2.259	62	47581	65.215	ug/l	97
5) Bromomethane	2.662	94	36164	60.449	ug/l	98
6) Chloroethane	2.808	64	36035	62.898	ug/l	97
7) Trichlorofluoromethane	3.137	101	97039	62.681	ug/l	96
8) Diethyl Ether	3.546	74	38293	58.466	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.912	101	61502	58.537	ug/l	94
10) Methyl Iodide	4.107	142	48312	45.941	ug/l	97
11) Tert butyl alcohol	4.978	59	40773	135.318	ug/l #	79
12) 1,1-Dichloroethene	3.887	96	49397	61.123	ug/l	92
13) Acrolein	3.747	56	374	4.864	ug/l #	14
14) Allyl chloride	4.497	41	60328	40.488	ug/l	94
15) Acrylonitrile	5.180	53	113342	251.658	ug/l	99
16) Acetone	3.960	43	200897	400.180	ug/l	89
17) Carbon Disulfide	4.216	76	67608	55.640	ug/l	98
18) Methyl Acetate	4.497	43	157648	92.429	ug/l	93
19) Methyl tert-butyl Ether	5.241	73	210988	57.612	ug/l	99
20) Methylene Chloride	4.735	84	75354	59.409	ug/l	93
21) trans-1,2-Dichloroethene	5.241	96	47570	50.727	ug/l	94
22) Diisopropyl ether	6.137	45	235841	59.175	ug/l #	85
23) Vinyl Acetate	6.137	43	151785	69.260	ug/l #	76
24) 1,1-Dichloroethane	6.039	63	129565	59.017	ug/l	96
25) 2-Butanone	7.002	43	189728	274.903	ug/l	93
26) 2,2-Dichloropropane	7.002	77	107268	52.539	ug/l	98
27) cis-1,2-Dichloroethene	7.002	96	72476	52.364	ug/l	93
28) Bromochloromethane	7.350	49	64988	51.362	ug/l	95
29) Tetrahydrofuran	7.368	42	96458	255.480	ug/l	92
30) Chloroform	7.521	83	137548	56.171	ug/l	96
31) Cyclohexane	7.801	56	61525	45.660	ug/l	96
32) 1,1,1-Trichloroethane	7.716	97	113754	56.883	ug/l	97
36) 1,1-Dichloropropene	7.935	75	73107	53.097	ug/l	99
37) Ethyl Acetate	7.094	43	49058	41.487	ug/l	96
38) Carbon Tetrachloride	7.917	117	92578	55.988	ug/l	99
39) Methylcyclohexane	9.197	83	54807	39.188	ug/l	93
40) Benzene	8.173	78	275766	63.732	ug/l	99

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41) Methacrylonitrile	7.326	41	34692	47.168	ug/l	96
42) 1,2-Dichloroethane	8.252	62	83063	56.315	ug/l	93
43) Isopropyl Acetate	8.283	43	105050	47.993	ug/l	93
44) Trichloroethene	8.953	130	61701	49.279	ug/l	99
45) 1,2-Dichloropropane	9.228	63	75724	58.183	ug/l	97
46) Dibromomethane	9.313	93	39630	51.168	ug/l	96
47) Bromodichloromethane	9.508	83	103742	53.858	ug/l	97
48) Methyl methacrylate	9.301	41	56028	57.961	ug/l	88
49) 1,4-Dioxane	9.307	88	14262	1059.310	ug/l #	65
51) 4-Methyl-2-Pentanone	10.081	43	339850	259.511	ug/l	90
52) Toluene	10.252	92	146621	51.048	ug/l	96
53) t-1,3-Dichloropropene	10.477	75	82571	42.402	ug/l	100
54) cis-1,3-Dichloropropene	9.941	75	99540	47.057	ug/l	90
55) 1,1,2-Trichloroethane	10.654	97	66095	53.595	ug/l	97
56) Ethyl methacrylate	10.520	69	84283	50.340	ug/l #	84
57) 1,3-Dichloropropane	10.801	76	105061	52.840	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	237930	233.154	ug/l	95
59) 2-Hexanone	10.843	43	226017	228.124	ug/l	89
60) Dibromochloromethane	10.996	129	71022	48.039	ug/l	99
61) 1,2-Dibromoethane	11.099	107	53621	47.606	ug/l	100
64) Tetrachloroethene	10.727	164	45187	46.975	ug/l	97
65) Chlorobenzene	11.526	112	135035	52.521	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	65831	62.644	ug/l	97
67) Ethyl Benzene	11.599	91	237680	53.885	ug/l	99
68) m/p-Xylenes	11.709	106	172513	103.794	ug/l	96
69) o-Xylene	12.038	106	91671	55.125	ug/l	97
70) Styrene	12.050	104	136174	46.933	ug/l	97
71) Bromoform	12.215	173	42270	57.763	ug/l #	98
73) Isopropylbenzene	12.337	105	195383	80.883	ug/l	100
74) N-amyl acetate	12.154	43	5476	7.193	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	67421	107.638	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	54755m	122.485	ug/l	
77) Bromobenzene	12.617	156	46035	77.720	ug/l	91
78) n-propylbenzene	12.678	91	192821	66.376	ug/l	100
79) 2-Chlorotoluene	12.764	91	115989	70.094	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	139710	70.173	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	16740	83.038	ug/l	96
82) 4-Chlorotoluene	12.861	91	110179	63.894	ug/l	99
83) tert-Butylbenzene	13.081	119	116528	62.715	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	141657	70.654	ug/l	98
85) sec-Butylbenzene	13.257	105	146580	53.792	ug/l	100
86) p-Isopropyltoluene	13.373	119	114768	50.913	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	59428	49.835	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	59082	49.198	ug/l	99
89) n-Butylbenzene	13.702	91	87164	40.861	ug/l	95
90) Hexachloroethane	13.971	117	20328	44.935	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	58971	53.200	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9775	88.863	ug/l	86
93) 1,2,4-Trichlorobenzene	15.013	180	16554	23.302	ug/l	93
94) Hexachlorobutadiene	15.117	225	8410	22.107	ug/l	100
95) Naphthalene	15.245	128	376124	228.863	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	14691	23.248	ug/l	94

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

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