

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082423\
 Data File : VY015321.D
 Acq On : 24 Aug 2023 18:50
 Operator : SY/MD
 Sample : 04109-02MS
 Misc : 6.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-01(6-7)MS

Quant Time: Aug 25 03:24:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/25/2023
 Supervised By :Semsettin Yesilyurt 08/25/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	17419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	28575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	25262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	15042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	12473	59.651	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.300%			
35) Dibromofluoromethane	7.716	113	10264	55.833	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.660%			
50) Toluene-d8	10.179	98	36996	54.062	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.120%			
62) 4-Bromofluorobenzene	12.477	95	12850	51.410	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	3862	51.971	ug/l	99
3) Chloromethane	2.113	50	5047	48.393	ug/l	96
4) Vinyl Chloride	2.253	62	6464	46.635	ug/l	100
5) Bromomethane	2.650	94	5496	57.884	ug/l	95
6) Chloroethane	2.796	64	4877	48.463	ug/l	95
7) Trichlorofluoromethane	3.119	101	12290	52.621	ug/l	95
8) Diethyl Ether	3.527	74	4974	54.303	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.899	101	7776	53.570	ug/l	97
10) Methyl Iodide	4.088	142	6177	43.337	ug/l	93
11) Tert butyl alcohol	4.960	59	13197	392.588	ug/l #	95
12) 1,1-Dichloroethene	3.875	96	6263	51.671	ug/l	86
13) Acrolein	3.729	56	2786	197.895	ug/l #	37
14) Allyl chloride	4.485	41	9234	42.969	ug/l	91
15) Acrylonitrile	5.155	53	23753	382.654	ug/l	99
16) Acetone	3.942	43	30311	443.732	ug/l	95
17) Carbon Disulfide	4.192	76	9207	43.162	ug/l	98
18) Methyl Acetate	4.479	43	24875	99.371	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	30348	58.885	ug/l #	67
20) Methylene Chloride	4.710	84	9903	61.454	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	6919	50.607	ug/l	97
22) Diisopropyl ether	6.118	45	27937	52.099	ug/l	98
23) Vinyl Acetate	6.064	43	76507	239.112	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	14814	51.028	ug/l #	97
25) 2-Butanone	6.984	43	37008	382.635	ug/l	100
26) 2,2-Dichloropropane	6.984	77	12933	46.212	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	9353	50.080	ug/l	97
28) Bromochloromethane	7.338	49	6699m	50.226	ug/l	
29) Tetrahydrofuran	7.350	42	21078	364.467	ug/l	94
30) Chloroform	7.508	83	17651	54.237	ug/l	97
31) Cyclohexane	7.783	56	13108	71.268	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	14716	53.139	ug/l	97
36) 1,1-Dichloropropene	7.917	75	10383	51.053	ug/l	99
37) Ethyl Acetate	7.076	43	13179	69.520	ug/l	97
38) Carbon Tetrachloride	7.899	117	12423	51.613	ug/l	93
39) Methylcyclohexane	9.185	83	20803	91.244	ug/l	92
40) Benzene	8.161	78	32155	52.295	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	5432	55.569	ug/l #	84
42) 1,2-Dichloroethane	8.240	62	13135	58.820	ug/l	95
43) Isopropyl Acetate	8.271	43	23679	68.590	ug/l	96
44) Trichloroethene	8.935	130	9228	52.093	ug/l	92
45) 1,2-Dichloropropane	9.209	63	9321	53.758	ug/l	95
46) Dibromomethane	9.307	93	6751	61.734	ug/l	93
47) Bromodichloromethane	9.496	83	15176	58.156	ug/l	99
48) Methyl methacrylate	9.295	41	8948	60.591	ug/l #	82
49) 1,4-Dioxane	9.295	88	4176	1909.679	ug/l #	40
51) 4-Methyl-2-Pentanone	10.069	43	71016	354.943	ug/l	95
52) Toluene	10.246	92	21498	53.045	ug/l	92
53) t-1,3-Dichloropropene	10.465	75	12963	47.268	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	13871	48.026	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	15973	96.062	ug/l #	90
56) Ethyl methacrylate	10.514	69	15447	63.477	ug/l	97
57) 1,3-Dichloropropane	10.788	76	15769	58.047	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	30704	271.122	ug/l	94
59) 2-Hexanone	10.831	43	54357	367.083	ug/l	98
60) Dibromochloromethane	10.983	129	11004	55.478	ug/l	98
61) 1,2-Dibromoethane	11.087	107	9416	59.610	ug/l	85
64) Tetrachloroethene	10.721	164	9861	56.029	ug/l	92
65) Chlorobenzene	11.514	112	23629	51.336	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	10169	54.450	ug/l	99
67) Ethyl Benzene	11.593	91	67994	84.313	ug/l	99
68) m/p-Xylenes	11.703	106	32232	105.233	ug/l	97
69) o-Xylene	12.032	106	15980	52.372	ug/l	97
70) Styrene	12.044	104	26103	49.429	ug/l	99
71) Bromoform	12.209	173	7750	57.244	ug/l #	99
73) Isopropylbenzene	12.331	105	52022	53.783	ug/l	99
74) N-amyl acetate	12.142	43	14623	41.873	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	14350	56.963	ug/l	94
76) 1,2,3-Trichloropropane	12.630	75	11024m	60.323	ug/l	
77) Bromobenzene	12.605	156	10353	43.911	ug/l	95
78) n-propylbenzene	12.672	91	83453	72.656	ug/l	99
79) 2-Chlorotoluene	12.758	91	28458	42.949	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	33315	41.320	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	2262	27.187	ug/l	93
82) 4-Chlorotoluene	12.855	91	28037	40.957	ug/l	97
83) tert-Butylbenzene	13.075	119	31735	43.032	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	34170	42.412	ug/l	97
85) sec-Butylbenzene	13.251	105	46211	42.766	ug/l	95
86) p-Isopropyltoluene	13.367	119	35469	39.591	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	18184	38.885	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	19306	41.161	ug/l	98
89) n-Butylbenzene	13.696	91	36243	42.907	ug/l	95
90) Hexachloroethane	13.971	117	10673	60.053	ug/l #	53
91) 1,2-Dichlorobenzene	13.739	146	18070	41.363	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2507	51.373	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	8376	29.865	ug/l #	89
94) Hexachlorobutadiene	15.111	225	2955	19.370	ug/l	92
95) Naphthalene	15.233	128	79161	113.306	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	7066	27.897	ug/l #	84

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

