

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091024\
 Data File : VY019480.D
 Acq On : 10 Sep 2024 11:10
 Operator : SY/MD
 Sample : P3390-01 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

Quant Time: Sep 11 06:36:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 06:35:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2024
 Supervised By :Mahesh Dadoda 09/11/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	539434	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	945819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	786565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	350842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	286359	57.329	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.660%			
35) Dibromofluoromethane	7.634	113	289596	54.003	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.000%			
50) Toluene-d8	10.109	98	1069291	53.909	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.820%			
62) 4-Bromofluorobenzene	12.408	95	372196	48.801	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 97.600%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	8822	2.587	ug/l	97
3) Chloromethane	2.074	50	10170	2.279	ug/l	97
4) Vinyl Chloride	2.208	62	11401	2.362	ug/l	96
5) Bromomethane	2.604	94	8851	2.986	ug/l	91
6) Chloroethane	2.739	64	8582	2.720	ug/l	98
7) Trichlorofluoromethane	3.062	101	20373	2.532	ug/l	90
8) Diethyl Ether	3.458	74	7512	2.782	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.818	101	13177	2.648	ug/l	93
10) Methyl Iodide	4.007	142	14963	2.345	ug/l	92
11) Tert butyl alcohol	4.848	59	6829	16.929	ug/l	# 85
12) 1,1-Dichloroethene	3.787	96	11783	2.462	ug/l	83
13) Acrolein	3.653	56	8332	38.519	ug/l	96
14) Allyl chloride	4.385	41	22407	2.611	ug/l	# 90
15) Acrylonitrile	5.061	53	17859	15.338	ug/l	# 89
16) Acetone	3.873	43	15758	13.242	ug/l	# 85
17) Carbon Disulfide	4.104	76	17398	1.345	ug/l	# 94
18) Methyl Acetate	4.391	43	12595	3.900	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	40530	2.990	ug/l	95
20) Methylene Chloride	4.616	84	23642	4.356	ug/l	# 88
21) trans-1,2-Dichloroethene	5.116	96	11912	2.271	ug/l	94
22) Diisopropyl ether	6.012	45	53380	3.029	ug/l	# 86
23) Vinyl Acetate	5.958	43	173285	17.213	ug/l	94
24) 1,1-Dichloroethane	5.915	63	28023	2.833	ug/l	97
25) 2-Butanone	6.896	43	22366	13.215	ug/l	# 85
26) 2,2-Dichloropropane	6.878	77	26847	3.009	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	18051	2.833	ug/l	89
28) Bromochloromethane	7.244	49	10908	2.621	ug/l	84
29) Tetrahydrofuran	7.268	42	14844	14.425	ug/l	90
30) Chloroform	7.421	83	31428	3.113	ug/l	90
31) Cyclohexane	7.701	56	28139	3.148	ug/l	# 63
32) 1,1,1-Trichloroethane	7.616	97	26093	2.883	ug/l	98
36) 1,1-Dichloropropene	7.835	75	18991	2.603	ug/l	95
37) Ethyl Acetate	6.982	43	10517	2.813	ug/l	# 90
38) Carbon Tetrachloride	7.817	117	21729	2.641	ug/l	96
39) Methylcyclohexane	9.109	83	20762	2.138	ug/l	91
40) Benzene	8.079	78	56774	2.526	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	6305	2.893	ug/l #	83
42) 1,2-Dichloroethane	8.158	62	17393	2.876	ug/l	99
43) Isopropyl Acetate	8.195	43	21952	2.795	ug/l #	91
44) Trichloroethene	8.866	130	16028	2.773	ug/l	98
45) 1,2-Dichloropropane	9.146	63	15662	2.850	ug/l	93
46) Dibromomethane	9.237	93	8507	2.831	ug/l	95
47) Bromodichloromethane	9.426	83	24038	2.976	ug/l	96
48) Methyl methacrylate	9.219	41	9608	2.590	ug/l	90
49) 1,4-Dioxane	9.237	88	1762	49.813	ug/l #	81
51) 4-Methyl-2-Pentanone	10.000	43	55625	14.076	ug/l	91
52) Toluene	10.176	92	39017	2.699	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	21250	2.760	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	24649	2.749	ug/l #	87
55) 1,1,2-Trichloroethane	10.573	97	12561	3.027	ug/l #	93
56) Ethyl methacrylate	10.438	69	17088	2.711	ug/l #	82
57) 1,3-Dichloropropane	10.719	76	20647	2.895	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	39781	13.598	ug/l	96
59) 2-Hexanone	10.762	43	38451	13.272	ug/l	91
60) Dibromochloromethane	10.914	129	16075	2.929	ug/l	98
61) 1,2-Dibromoethane	11.018	107	10331	2.672	ug/l	95
64) Tetrachloroethene	10.646	164	14015	2.877	ug/l	94
65) Chlorobenzene	11.444	112	45256	2.925	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	15708	2.932	ug/l	98
67) Ethyl Benzene	11.518	91	80920	2.943	ug/l	99
68) m/p-Xylenes	11.627	106	61610	5.927	ug/l	95
69) o-Xylene	11.956	106	29999	2.951	ug/l	92
70) Styrene	11.975	104	48598	2.831	ug/l	96
71) Bromoform	12.133	173	9104	2.975	ug/l #	97
73) Isopropylbenzene	12.255	105	80305	3.155	ug/l	99
74) N-amyl acetate	12.072	43	20607	2.977	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.511	83	14095	3.120	ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	9006m	2.739	ug/l	
77) Bromobenzene	12.536	156	17186	3.044	ug/l	89
78) n-propylbenzene	12.597	91	96429	3.196	ug/l	99
79) 2-Chlorotoluene	12.682	91	56758	3.228	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	66814	3.229	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.304	75	4879m	2.848	ug/l	
82) 4-Chlorotoluene	12.780	91	59135	3.272	ug/l	94
83) tert-Butylbenzene	12.999	119	60764	3.244	ug/l	94
84) 1,2,4-Trimethylbenzene	13.042	105	67059	3.274	ug/l	93
85) sec-Butylbenzene	13.176	105	89434	3.286	ug/l	99
86) p-Isopropyltoluene	13.292	119	72539	3.258	ug/l	96
87) 1,3-Dichlorobenzene	13.292	146	34548	3.150	ug/l	96
88) 1,4-Dichlorobenzene	13.371	146	36100m	3.316	ug/l	
89) n-Butylbenzene	13.621	91	69293	3.256	ug/l	99
90) Hexachloroethane	13.883	117	15646	3.377	ug/l	92
91) 1,2-Dichlorobenzene	13.664	146	31620	3.230	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2440	3.241	ug/l	74
93) 1,2,4-Trichlorobenzene	14.925	180	17838	2.996	ug/l	96
94) Hexachlorobutadiene	15.023	225	10265	3.228	ug/l	99
95) Naphthalene	15.145	128	34277	2.875	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	16379	3.216	ug/l	96

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

