

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
 Data File : VY020072.D
 Acq On : 29 Oct 2024 19:28
 Operator : SY/MD
 Sample : VY1029SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1029SBSD01

Quant Time: Oct 30 01:30:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
 Supervised By :Mahesh Dadoda 10/30/2024

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	154974	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	284535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	247291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	121579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	103971	54.487	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.980%			
35) Dibromofluoromethane	7.634	113	98539	52.481	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.960%			
50) Toluene-d8	10.109	98	341619	49.269	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.540%			
62) 4-Bromofluorobenzene	12.402	95	125519	50.100	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 100.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	23180	16.067	ug/l	97
3) Chloromethane	2.068	50	33742	17.970	ug/l	98
4) Vinyl Chloride	2.208	62	36828	17.823	ug/l	91
5) Bromomethane	2.598	94	27182	20.784	ug/l	95
6) Chloroethane	2.739	64	28073	20.224	ug/l	99
7) Trichlorofluoromethane	3.062	101	60964	19.828	ug/l	98
8) Diethyl Ether	3.458	74	19850	21.243	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.818	101	37196	20.799	ug/l	89
10) Methyl Iodide	4.007	142	28267	15.628	ug/l #	88
11) Tert butyl alcohol	4.872	59	19397	116.067	ug/l	98
12) 1,1-Dichloroethene	3.793	96	28541	17.167	ug/l #	70
13) Acrolein	3.665	56	8231	58.703	ug/l	95
14) Allyl chloride	4.385	41	58440	19.482	ug/l #	87
15) Acrylonitrile	5.068	53	55613	130.119	ug/l	96
16) Acetone	3.873	43	64003	128.848	ug/l #	86
17) Carbon Disulfide	4.110	76	45132	10.128	ug/l #	90
18) Methyl Acetate	4.391	43	28995	27.097	ug/l #	87
19) Methyl tert-butyl Ether	5.116	73	112572	23.568	ug/l	98
20) Methylene Chloride	4.622	84	47883	25.697	ug/l #	89
21) trans-1,2-Dichloroethene	5.116	96	32463	17.940	ug/l #	74
22) Diisopropyl ether	6.025	45	163649	25.046	ug/l #	91
23) Vinyl Acetate	5.970	43	404008	107.855	ug/l #	91
24) 1,1-Dichloroethane	5.921	63	83905	23.101	ug/l	93
25) 2-Butanone	6.896	43	88540	133.165	ug/l #	78
26) 2,2-Dichloropropane	6.890	77	64138	19.828	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	48333	21.614	ug/l	81
28) Bromochloromethane	7.244	49	37215	23.279	ug/l #	74
29) Tetrahydrofuran	7.268	42	46635	122.841	ug/l #	83
30) Chloroform	7.427	83	90554	24.457	ug/l	97
31) Cyclohexane	7.707	56	55091	17.279	ug/l	92
32) 1,1,1-Trichloroethane	7.622	97	73541	22.664	ug/l	95
36) 1,1-Dichloropropene	7.841	75	50794	18.778	ug/l	94
37) Ethyl Acetate	6.994	43	33902	24.035	ug/l	99
38) Carbon Tetrachloride	7.823	117	58291	20.101	ug/l	94
39) Methylcyclohexane	9.110	83	54690	16.046	ug/l #	86
40) Benzene	8.085	78	168308	20.559	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	20461	26.802	ug/l #	82
42) 1,2-Dichloroethane	8.158	62	51747	22.002	ug/l	97
43) Isopropyl Acetate	8.201	43	66927	23.266	ug/l #	78
44) Trichloroethene	8.866	130	39903	20.125	ug/l	93
45) 1,2-Dichloropropane	9.140	63	47101	22.987	ug/l	97
46) Dibromomethane	9.231	93	25397	22.686	ug/l	87
47) Bromodichloromethane	9.427	83	72766	24.488	ug/l	95
48) Methyl methacrylate	9.219	41	31099	24.577	ug/l #	77
49) 1,4-Dioxane	9.231	88	5733	457.543	ug/l #	89
51) 4-Methyl-2-Pentanone	10.000	43	185111	126.162	ug/l	90
52) Toluene	10.170	92	106340	20.810	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	56195	21.018	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	67692	21.457	ug/l #	84
55) 1,1,2-Trichloroethane	10.573	97	36434	24.701	ug/l	97
56) Ethyl methacrylate	10.439	69	46267	21.861	ug/l #	73
57) 1,3-Dichloropropane	10.719	76	61153	23.609	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	119795	121.586	ug/l	92
59) 2-Hexanone	10.762	43	133340	127.238	ug/l	85
60) Dibromochloromethane	10.914	129	44334	23.418	ug/l	99
61) 1,2-Dibromoethane	11.018	107	30831	23.131	ug/l	97
64) Tetrachloroethene	10.646	164	38664	21.981	ug/l	92
65) Chlorobenzene	11.438	112	119694	21.162	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.518	131	43538	22.751	ug/l	99
67) Ethyl Benzene	11.518	91	212192	20.652	ug/l	97
68) m/p-Xylenes	11.627	106	154796	40.793	ug/l	94
69) o-Xylene	11.957	106	77578	21.278	ug/l	93
70) Styrene	11.969	104	133415	21.689	ug/l	96
71) Bromoform	12.133	173	23972	23.400	ug/l #	96
73) Isopropylbenzene	12.255	105	211602	20.692	ug/l	98
74) N-amyl acetate	12.072	43	58503	21.599	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	45401	24.985	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	32405m	13.606	ug/l	
77) Bromobenzene	12.530	156	45368	20.906	ug/l	82
78) n-propylbenzene	12.597	91	261546	21.166	ug/l	96
79) 2-Chlorotoluene	12.676	91	147176	20.776	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	170678	20.666	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.304	75	11616	19.686	ug/l #	78
82) 4-Chlorotoluene	12.780	91	155349	21.447	ug/l	94
83) tert-Butylbenzene	12.999	119	160088	21.638	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	170529	20.826	ug/l	96
85) sec-Butylbenzene	13.176	105	236624	21.406	ug/l	96
86) p-Isopropyltoluene	13.292	119	187650	20.905	ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	92806	21.177	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	94528	21.956	ug/l	94
89) n-Butylbenzene	13.615	91	186573	21.287	ug/l	97
90) Hexachloroethane	13.877	117	39182	22.417	ug/l	81
91) 1,2-Dichlorobenzene	13.657	146	84272	21.885	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7427	25.610	ug/l	65
93) 1,2,4-Trichlorobenzene	14.919	180	44519	20.619	ug/l	94
94) Hexachlorobutadiene	15.023	225	24575	20.472	ug/l	98
95) Naphthalene	15.145	128	88861	21.821	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	39403	21.588	ug/l	98

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

